

**Optimal solutions, faster**



## Component Solutions

November 2019



Proud to be suppliers of

Version. 0.1

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***Please Note : Check your local Branch for Stock Availability***

[www.remtron.com.au](http://www.remtron.com.au)

AC/DC Coils - with inbuilt coil suppression, positively guided, mirrored contacts  
Mechanically linked - meeting IEC-60947-4-1-60947-5-1

## AF 9 - AF40 3 Pole Contactors - AC/DC Coils

\* Add Coil Code - 11 = 24-60VAC/DC - 13 = 100 - 250VAC/DC - 14 = 250 - 500V AC/DC

Part Number			AC1 AMPS	AC3 AMPS
ABAF093010**	CONTACTOR	4kW - 1 N/O AUX	25	9
ABAF093001**	CONTACTOR	4kW - 1 N/C AUX	25	9
ABAF123010**	CONTACTOR	5.5kW - 1 N/O AUX	28	12
ABAF123001**	CONTACTOR	5.5kW - 1 N/C AUX	28	12
ABAF163010**	CONTACTOR	7.5kW - 1 N/O AUX	30	18
ABAF163001**	CONTACTOR	7.5kW - 1 N/C AUX	30	18
ABAF263000**	CONTACTOR	11kW - 3 POLE - ADD AUX BELOW *	45	26
ABAF303000**	CONTACTOR	15kW - 3 POLE - ADD AUX BELOW *	50	32
ABAF383000**	CONTACTOR	18.5kW - 3 POLE - ADD AUX BELOW *	50	38
ABAF403000**	CONTACTOR	22kW - 3 POLE - ADD AUX BELOW*	70	40



## AF52 - AF96 3 Pole Contactors AC/DC Coils

\* Add Coil Code - 11 = 24-60VAC/DC - 13 = 100 - 250VAC/DC - 14 = 250 - 500V AC/DC

Part Number			AC1 AMPS	AC3 AMPS
ABAF523000**	CONTACTOR	30KW - ADD AUX BELOW	100	53
ABAF653000**	CONTACTOR	37KW - ADD AUX BELOW	105	65
ABAF803000**	CONTACTOR	45KW - ADD AUX BELOW	125	80
ABAF963000**	CONTACTOR	55KW - ADD AUX BELOW	130	96



## AF116 - AF205 3 Pole Contactors AC/DC Coils

\* Add Coil Code - 11 = 24-60VAC/DC - 13 = 100 - 250VAC/DC - 14 = 250 - 500V AC/DC

Part Number			AC1 AMPS	AC3 AMPS
ABAF1163011**	CONTACTOR	55KW - 1 N/O - 1 N/C AUX	160	116
ABAF1403011**	CONTACTOR	75KW - 1 N/O - 1 N/C AUX	200	140
ABAF1903011**	CONTACTOR	90KW - 1 N/O - 1 N/C AUX	275	190
ABAF2053011**	CONTACTOR	110KW - 1 N/O - 1 N/C AUX	350	205



## AF265 - AF370 3 Pole Contactors AC/DC Coils

\* Add Coil Code - 11 = 24-60VAC/DC - 13 = 100 - 250VAC/DC - 14 = 250 - 500V AC/DC

Part Number			AC1 AMPS	AC3 AMPS
ABAF2653011**	CONTACTOR	132KW 1 N/O - 1 N/C AUX	400	265
ABAF3053011**	CONTACTOR	160KW 1 N/O - 1 N/C AUX	500	305
ABAF3703011**	CONTACTOR	200KW 1 N/O - 1 N/C AUX	600	370



## AF400 - AF1650 3 Pole Contactors AC/DC Coils

\* Add Coil Code - 68 = 24-60VAC/DC - 70 = 100 - 250VAC/DC - 71 = 250 - 500V AC/DC

Part Number		AC1 AMPS	AC3 AMPS
ABAF4003011**	CONTACTOR 220KW 1 N/O - 1/NC AUX	600	400
ABAF4603011**	CONTACTOR 250KW 1 N/O - 1 N/C AUX	700	460
ABAF5803011**	CONTACTOR 315KW 1 N/O - 1 N/C AUX	800	580
ABAF7503011**	CONTACTOR 400KW 1 N/O - 1 N/C AUX	1050	750
ABAF13503011**	CONTACTOR 475KW 1 N/O - 1 N/C AUX	1350	860
ABAF16503011**	CONTACTOR 560KW 1 N/O - 1 N/C AUX	1650	1050

\*\* CONTACTORS UP TO 2650AMPS AVAILABLE POA\*\*

\* NOTE - CODES 11, 14 & 68 ATTRACT A COIL SURCHARGE\*



## 3 Pole Contactors - Low Consumption - PLC Compatialbe Z Series

\* ADD Coil Code 21 = 24 -60V AC/DC

Part Number		AC1 AMPS	AC3 AMPS
ABAF09Z3010**	CONTACTOR 4KW - 1 N/O - AUX	25	9
ABAF09Z3001**	CONTACTOR 4KW - 1 N/C - AUX	25	9
ABAF12Z3010**	CONTACTOR 5.5KW - N/O - AUX	28	12
ABAF12Z3001**	CONTACTOR 5.5KW - N/C - AUX	28	12
ABAF16Z3010**	CONTACTOR 7.5KW - N/O - AUX	30	18
ABAF26Z3000**	CONTACTOR 11KW * - ADD AUX BELOW	45	26
ABAF30Z3000**	CONTACTOR 15KW * - ADD AUX BELOW	50	32
ABAF38Z3000**	CONTACTOR 18.5KW * - ADD AUX BELOW	50	38



## 4 Pole Contactors - AC/DC Coils 50/60Hz

\* Add Coil Code - 11 = 24-60VAC/DC - 13 = 100 - 250VAC/DC - 14 = 250 - 500V AC/DC

Part Number		AC1 AMPS	AC3 AMPS
ABAF092200**	CONTACTOR 4KW - 2 N/O - 2 N/C	25	9
ABAF094000**	CONTACTOR 4KW - 4 N/O	25	9
ABAF162200**	CONTACTOR 7.5KW - 2 N/O - 2 N/C	30	12
ABAF164000**	CONTACTOR 7.5KW - 4 N/O	30	12



## NF 4 Pole Contactor Relay AC/DC with built in coil suppression

\* Add Coil Code - 11 = 24-60VAC/DC - 13 = 100 - 250VAC/DC

Part Number		AMPS
ABNF22E**	CONTACTOR RELAY	2N/O 2N/C 25 AMP
ABNF31E**	CONTACTOR RELAY	3N/O 2N/C 25AMP
ABNF40E**	CONTACTOR RELAY	4N/O 25AMP
ABNF44E**	CONTACTOR RELAY	4N/O 4 N/C 25AMP





## AF Series Contactors with Bonded Auxiliary

### Low Consumption Coil

Part Number	Coil Voltage	AC-3 (KW)	AC-3 (A)
ABAF09Z302223	CONTACTOR 100-250V AC/DC 2NO/2NC	4	9
ABAF12Z302221	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	5.5	12
ABAF12Z302223	CONTACTOR 100-250V AC/DC 2NO/2NC	5.5	12
ABAF16Z302221	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	9	18
ABAF16Z302223	CONTACTOR 100-250V AC/DC 2NO/2NC	9	18
ABAF26Z302221	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	11	26
ABAF26Z302223	CONTACTOR 100-250V AC/DC 2NO/2NC	11	26
ABAF30Z302221	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	15	32
ABAF30Z302223	CONTACTOR 100-250V AC/DC 2NO/2NC	15	32
ABAF38Z302221	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	18.5	38
ABAF38Z302223	CONTACTOR 100-250V AC/DC 2NO/2NC	18.5	38

### Standard Coil

ABAF52302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	22	53
ABAF52302213	CONTACTOR 100-250V AC/DC 2NO/2NC	22	53
ABAF65302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	30	65
ABAF65302213	CONTACTOR 100-250V AC/DC 2NO/2NC	30	65
ABAF80302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	37	80
ABAF80302213	CONTACTOR 100-250V AC/DC 2NO/2NC	37	80
ABAF96302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	45	96
ABAF96302213	CONTACTOR 100-250V AC/DC 2NO/2NC	45	96

Other coil, auxiliary contacts and power ratings available on request

\* BONDED TOP MOUNT 2/NO 2/NC AUXILIARY BLOCK \*

## Accessories

Part Number	
ABBX4CA	TAMPER PROOF AUXILIARY CAP
ABCAL411	SIDE MOUNT AUX 1 NO - 1 NC

## AFS Series Safety Contactors

Meets ISO 13849 - EN 62061

With bonded front auxiliary blocks multivoltage coils - built in surge suppression

Part Number		AC-3 (KW)	AC-3 (A)
ABAFS09302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	4	9
ABAFS09302213	CONTACTOR 100-250V AC/DC 2NO/2NC	4	9
ABAFS12302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	5.5	12
ABAFS12302213	CONTACTOR 100-250V AC/DC 2NO/2NC	5.5	12
ABAFS16302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	7.5	18
ABAFS16302213	CONTACTOR 100-250V AC/DC 2NO/2NC	7.5	18
ABAFS26302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	11	26
ABAFS26302213	CONTACTOR 100-250V AC/DC 2NO/2NC	11	26
ABAFS30302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	15	32
ABAFS30302213	CONTACTOR 100-250V AC/DC 2NO/2NC	15	32
ABAFS38302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	18.5	38
ABAFS38302213	CONTACTOR 100-250V AC/DC 2NO/2NC	18.5	38



## AFS Series Safety Contactors

Meets ISO 13849 - EN 62061

With bonded front auxiliary blocks multivoltage coils - built in surge suppression

Part Number		AC-3 (KW)	AC-3 (A)
ABAFS52302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	22	52
ABAFS52302213	CONTACTOR 100-250V AC/DC 2NO/2NC	22	52
ABAFS65302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	30	65
ABAFS65302213	CONTACTOR 100-250V AC/DC 2NO/2NC	30	65
ABAFS80302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	37	80
ABAFS80302213	CONTACTOR 100-250V AC/DC 2NO/2NC	37	80
ABAFS96302211	CONTACTOR 24...60V AC, 20...60V DC 2 NO/2NC	45	96
ABAFS96302213	CONTACTOR 100-250V AC/DC 2NO/2NC	45	96

\* Note above contactors to be switched from relay outputs from safety relays, PLCs and safety controllers ONLY\*



## DOL Starters

### MOTOR STARTERS - NO OVERLOAD

Use TF Series Overloads to suit

Part Number		Control Voltage	kW	Amps
ABDRAF09-11S	DOL NO OVERLOAD - Separate supply	24-60VAC/DC	4	9
ABDRAF09-13N	DOL NO OVERLOAD - Phase to Neutral	100-250VAC/DC	4	9
ABDRAF09-14P	DOL NO OVERLOAD - Phase to phase	250-500VAC/DC	4	9
ABDRAF12-11S	DOL NO OVERLOAD - Separate supply	24-60VAC/DC	5.5	12
ABDRAF12-13N	DOL NO OVERLOAD - Phase to Neutral	100-250VAC/DC	5.5	12
ABDRAF12-14P	DOL NO OVERLOAD - Phase to phase	250-500VAC/DC	5.5	12
ABDRAF16-11S	DOL NO OVERLOAD - Separate supply	24-60VAC/DC	7.5	18
ABDRAF16-13N	DOL NO OVERLOAD - Phase to Neutral	100-250VAC/DC	7.5	18
ABDRAF16-14P	DOL NO OVERLOAD - Phase to phase	250-500VAC/DC	7.5	18

Note: Select DRAF..S with separate supply for 24-60VDC control \*\*ADD OVERLOAD BELOW\*\*



## HF Electronic DOL & Reversing Starters

### With Motor Protection & Estop Function

Part Number	Current Range	kW	Current
<b>Direct-on-line starter with overload protection</b>			
ABHF0.6-DOL-24VDC	0.075...0.6	0.18	0.6
ABHF2.4-DOL-24VDC	0.18...2.4	0.75	2.4
ABHF9-DOL-24VDC	1.5...6.5	3.0	9.0
<b>Direct-on-line starter with overload protection &amp; emergency stop</b>			
ABHF0.6-DOLE-24VDC	0.075...0.6	0.6	0.6
ABHF2.4-DOLE-24VDC	0.18...2.4	0.75	2.4
ABHF9-DOLE-24VDC	1.5...6.5	3.0	9.0
<b>Reversing starter with overload Protection</b>			
ABHF0.6-ROL-24VDC	0.075...0.6	0.18	0.6
ABHF2.4-ROL-24VDC	0.18...2.4	0.75	2.4
ABHF9-ROL-24VDC	1.5...6.5	3.0	9.0
<b>Reversing starter with overload protection &amp; emergency stop</b>			
ABHF0.6-ROLE-24VDC	0.075...0.6	0.18	0.6
ABHF2.4-ROLE-24VDC	0.18...2.4	0.75	2.4
ABHF9-ROLE-24VDC	1.5...6.5	3.0	9.0



## AF/NF - Auxiliary Contact - Front & Side Mount

Part Number		Suits
ABCA410	AUX CONTACT - 1 N/O - FRONT MOUNT *	AF/NF 9 - 38
ABCA401	AUX CONTACT - 1 N/C - FRONT MOUNT *	AF/NF 9 - 38
ABCA422M	AUX CONTACT - 2 N/O - 2 N/C - FRONT MOUNT	AF/NF 9 - 16
ABCA440e	AUX CONTACT - 4 N/O - FRONT MOUNT	AF/NF 9 - 16
ABCA404M	AUX CONTACT - 4 N/C - FRONT MOUNT	AF/NF 9 - 16
ABCA422E	AUX CONTACT - 2 N/C - 2 N/O - FRONT MOUNT	AF 26 - 96
ABCA440E	AUX CONTACT - 4 N/O - FRONT MOUNT	AF 26 - 38
ABCA404E	AUX CONTACT - 4 N/C - FRONT MOUNT	AF 26 - 38
ABCAT411M	1 N/O - 1 N/C /A1,A2 COIL CONNECT/FRONT MOUNT	AF9 - 16
ABCAT411E	1 N/O - N/C AUX/A1,A2 COIL CONNECT/FRONT MOUNT	AF26 - 38
ABCAL411	AUX CONTACT - 1 N/O - 1 N/C - SIDE MOUNT	AF 9 - 96
ABCAL19-11	1 N/O - N/C AUX SIDE MOUNT	AF116-370
ABCAL19-11B	STACKABLE AUX CONTACT IN/O - 1 N/C SIDE MOUNT	AF116-370
ABCAL1811	AUX CONTACT 1 N/O - 1 N/C SIDE MOUNT	AF400-2650
ABCAL1811B	STACKABLE AUX CONTACT IN/O - 1 N/C SIDE MOUNT	AF400-2650



## AF/NF - Mechanical Interlocks/Electronic Timers

Part Number		Suits
ABVEM4	ELECTRO/MECHANICAL INTERLOCK - 1 N/O - 1 N/C - AUX	AF 9 - 38
ABVM96-4	MECHANICAL INTERLOCK	AF40 - 96
ABVM19	MECHANICAL INTERLOCK - Suits AF116 to AF370 Contactor	AF116-370
ABVM205/265	MECHANICAL INTERLOCK - Suits (AF190,AF205) & (AF264,AF370)	AF190-370
ABVM750H	MECHANICAL INTERLOCK - Suits AF400 - AF1250	AF400-1250
ABVM1650H	MECHANICAL INTERLOCK - Suits AF1350 - AF2650	AF1350-2650



## Electronic Timers

Part Number		Suits
ABTEF4-ON	ON DELAY TIMER .1-100S	AF/NF 9 - 96
ABTEF4-OFF	OFF DELAY TIMER .1 - 100S	AF/NF 9 - 96
ABTEF5-ON	ON DELAY TIMER .1-100S	AF 45 - 75
ABTEF5-OFF	OFF DELAY TIMER .1 - 100S	AF 45 - 75



## Additional Coil Terminal Block

Part Number		Suits
ABLDC4	ADDITIONAL COIL TERMINAL BLOCK	AF 9 - 38



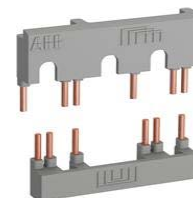
## Protective Cover for Auxiliary & Contactor

Part Number		Suits
ABBX4	PROTECTIVE COVER - FOR SINGLE CONTACTOR	AF 9 - 38
ABBX4CA	PROTECTIVE COVER - FOR AUX BLOCK	AF 9 - 38



## Star Delta & Reversing Links

Part Number		Suits
ABBEY164	STAR DELTA LINK SET	AF 9 - 16
ABBEY384	STAR DELTA LINK SET	AF 26 - 38
ABBEY654	STAR DELTA LINK SET	AF40 - 65
ABBEY964	STAR DELTA LINK SET	AF80 - 96
ABBER164	REVERSING LINK SET	AF 9 - 16
ABBER384	REVERSING LINK SET	AF 26 - 38
ABBER654	REVERSING LINK SET	AF40 - 65
ABBER964	REVERSING LINK SET	AF80 - 96



## Terminal Enlargers

Part Number		Suits
ABLW140	TERMINAL ENLARGER 6.5MM HOLE - 2 required	AF116-146
ABLW205	TERMINAL ENLARGER 10MM HOLE - 2 required	AF190-205
ABLW370	TERMINAL ENLARGER 10MM HOLE - 2 required	AF265-370
ABLW460	TERMINAL ENLARGER 13MM HOLE - 2 required	AF580-750
ABLW750	TERMINAL ENLARGER 13MM HOLE - 2 required	AF580-750
ABLW1250	TERMINAL ENLARGER 13MM HOLE - 2 required	AF1250 -



## TF Thermal Overload for AF Series

### Trip Class - 10 - Auto Man Reset

Part Number				Suits
ABTF42-0.13	THERMAL OVERLOAD	0.10 - 0.13 A	TF42	AF 9 - 38
ABTF42-0.17	THERMAL OVERLOAD	0.13 - 0.17 A	TF42	AF 9 - 38
ABTF42-0.23	THERMAL OVERLOAD	0.17 - 0.23 A	TF42	AF 9 - 38
ABTF42-0.31	THERMAL OVERLOAD	0.23 - 0.31 A	TF42	AF 9 - 38
ABTF42-0.41	THERMAL OVERLOAD	0.31 - 0.41 A	TF42	AF 9 - 38
ABTF42-0.55	THERMAL OVERLOAD	0.41 - 0.55 A	TF42	AF 9 - 38
ABTF42-0.74	THERMAL OVERLOAD	0.55 - 0.74 A	TF42	AF 9 - 38
ABTF42-1.0	THERMAL OVERLOAD	0.74 - 1.0 A	TF42	AF 9 - 38
ABTF42-1.3	THERMAL OVERLOAD	1.0 - 1.3 A	TF42	AF 9 - 38
ABTF42-1.7	THERMAL OVERLOAD	1.3 - 1.7 A	TF42	AF 9 - 38
ABTF42-2.3	THERMAL OVERLOAD	1.7 - 2.3 A	TF42	AF 9 - 38
ABTF42-3.1	THERMAL OVERLOAD	2.3 - 3.1 A	TF42	AF 9 - 38
ABTF42-4.2	THERMAL OVERLOAD	3.1 - 4.2 A	TF42	AF 9 - 38
ABTF42-5.7	THERMAL OVERLOAD	4.2 - 5.7 A	TF42	AF 9 - 38
ABTF42-7.6	THERMAL OVERLOAD	5.7 - 7.6 A	TF42	AF 9 - 38
ABTF42-10	THERMAL OVERLOAD	7.6 - 10 A	TF42	AF 9 - 38
ABTF42-13	THERMAL OVERLOAD	10 - 13 A	TF42	AF 9 - 38
ABTF42-16	THERMAL OVERLOAD	13 - 16 A	TF42	AF 9 - 38
ABTF42-20	THERMAL OVERLOAD	16 - 20 A	TF42	AF 9 - 38
ABTF42-24	THERMAL OVERLOAD	20 - 24 A	TF42	AF 9 - 38
ABTF42-29	THERMAL OVERLOAD	24 - 29 A	TF42	AF 9 - 38
ABTF42-35	THERMAL OVERLOAD	29 - 35 A	TF42	AF 9 - 38
ABTF42-38	THERMAL OVERLOAD	35 - 38 A	TF42	AF 9 - 38



### Thermal Overload - TF65

Part Number				Suits
ABTF65-28	THERMAL OVERLOAD	22 - 28 A	TF65	AF40-65
ABTF65-33	THERMAL OVERLOAD	25 - 33 A	TF65	AF40-65
ABTF65-40	THERMAL OVERLOAD	30 - 40 A	TF65	AF40-65
ABTF65-47	THERMAL OVERLOAD	36 - 47 A	TF65	AF40-65
ABTF65-53	THERMAL OVERLOAD	44 - 53 A	TF65	AF40-65
ABTF65-60	THERMAL OVERLOAD	50 - 60 A	TF65	AF40-65
ABTF65-67	THERMAL OVERLOAD	57 - 67 A	TF65	AF40-65



### Thermal Overload - TF96

Part Number				Suits
ABTF96-51	THERMAL OVERLOAD	45 - 51 A	TF96	AF80 - 96
ABTF96-60	THERMAL OVERLOAD	48 - 60 A	TF96	AF80 - 96
ABTF96-68	THERMAL OVERLOAD	57 - 68 A	TF96	AF80 - 96
ABTF96-78	THERMAL OVERLOAD	65 - 78 A	TF96	AF80 - 96
ABTF96-87	THERMAL OVERLOAD	75 - 87 A	TF96	AF80 - 96
ABTF96-96	THERMAL OVERLOAD	84 - 96 A	TF96	AF80 - 96





## TF Thermal Overload for AF Series

### Thermal Overload - TF140DU

Part Number				Suits	
ABTF140DU-90	THERMAL OVERLOAD	66 - 90 A	TF140DU	AF116 - 140	
ABTF140DU-110	THERMAL OVERLOAD	80 - 110 A	TF140DU	AF116 - 140	
ABTF140DU-135	THERMAL OVERLOAD	100 - 135 A	TF140DU	AF116 - 140	
ABTF140DU-142	THERMAL OVERLOAD	110 - 142 A	TF140DU	AF116 - 140	



### Thermal Overload - TA200DU

Part Number				Suits	
ABTA200DU-90	THERMAL OVERLOAD	66 - 90 A	TA200DU	AF190 - 205	
ABTA200DU-110	THERMAL OVERLOAD	80 - 110 A	TA200DU	AF190 - 205	
ABTA200DU-135	THERMAL OVERLOAD	100 - 135 A	TA200DU	AF190 - 205	
ABTA200DU-150	THERMAL OVERLOAD	110 - 150 A	TA200DU	AF190 - 205	
ABTA200DU-175	THERMAL OVERLOAD	130 - 175 A	TA200DU	AF190 - 205	
ABTA200DU-200	THERMAL OVERLOAD	150 - 200 A	TA200DU	AF190 - 205	



## EF Electronic Overload for AF Series

### Selectable Trip Class 10-20-30 - Auto Man Reset

### Electronic Overload - EF19-45

Part Number				Suits	
ABEF19-0.32	OL ELECTRONIC	0.1..0.32A	EF 19-45	AF 9 - 26	
ABEF19-1.0	OL ELECTRONIC	0.3..1.0A	EF 19-45	AF 9 - 26	
ABEF19-2.7	OL ELECTRONIC	0.8..2.7A	EF 19-45	AF 9 - 26	
ABEF19-6.3	OL ELECTRONIC	1.9..6.3A	EF 19-45	AF 9 - 26	
ABEF19-18.9	OL ELECTRONIC	5.7..18.9A	EF 19-45	AF 9 - 26	
ABEF45-30	OL ELECTRONIC	9..30A	EF 19-45	AF 26 - 38	
ABEF45-45	OL ELECTRONIC	15..45A	EF 19-45	AF 26 - 38	



### Electronic Overload Relay - EF65 - 96 - 146

Part Number				Suits	
ABEF65-70	OVERLOAD ELECTRONIC	25 - 70 A	EF96-146	AF40-65	
ABEF96-100	OVERLOAD ELECTRONIC	36 - 100 A	EF96-146	AF80 - 96	
ABEF146-150	OVERLOAD ELECTRONIC	54 - 150 A	EF96-146	AF116 - 146	



### Electronic Overload Relay - EF205 - 370

Part Number				Suits	
ABEF205	OVERLOAD ELECTRONIC	65 - 210 A	EF205-370	AF190 - 205	
ABEF370	OVERLOAD ELECTRONIC	115 - 380 A	EF205-370	AF265 - 370	



### Electronic Overload Relay - E800DU - 1200DU

Part Number				Suits	
ABEF750-800	OVERLOAD ELECTRONIC	150 - 500 A	E800DU-1200DU	AF400 - 460	
ABEF460-500	OVERLOAD ELECTRONIC	250 - 800 A	E800DU-1200DU	AF580 - AF750	



## TF/EF/TA Overload Accessories

### Part Number

ABDB42/65/96	INDEPENDENT OVERLOAD MOUNT TF42, TF65, TF96
ABDB19EF	INDEPENDENT OVERLOAD MOUNT EF19
ABDB200	INDEPENDENT OVERLOAD MOUNT FOR TA200DU
ABKPR3-101L	RESET PUSH BUTTON FOR EF/TF



## ABB Manual Motor Starters

### MS116 & MS132 Manual Motor Starters

Up to 32amp - 16-50kA

Part Number		Range	kW
ABMS116-0.16	MAN MOTOR STARTER	0.1-0.16A	0.02
ABMS116-0.25	MAN MOTOR STARTER	0.16-0.25A	0.06
ABMS116-0.4	MAN MOTOR STARTER	0.25-0.4A	0.09
ABMS116-0.63	MAN MOTOR STARTER	0.4-0.63A	.12/.18
ABMS116-1.0	MAN MOTOR STARTER	0.63-1.0A	0.25
ABMS116-1.6	MAN MOTOR STARTER	1.0-1.6A	.37/.55
ABMS116-2.5	MAN MOTOR STARTER	1.6-2.5A	0.75
ABMS116-4.0	MAN MOTOR STARTER	2.5-4.0A	1.1/1.5
ABMS116-6.3	MAN MOTOR STARTER	4.0-6.3A	2.2
ABMS116-10	MAN MOTOR STARTER	6.3-10A	3/4
ABMS116-16	MAN MOTOR STARTER	10-16A	5.5/7.5
ABMS116-20	MAN MOTOR STARTER	16 - 20A	9
ABMS116-25	MAN MOTOR STARTER	20 - 25A	12.5
ABMS116-32	MAN MOTOR STARTER	25 - 32A	15



### MS132 Manual Motor Starters

Up to 32amp - 25-100kA

Part Number		Range	kW
ABMS132-0.16	MAN MOTOR STARTER	0.1-0.16A	0.02
ABMS132-0.25	MAN MOTOR STARTER	0.16-0.25A	0.06
ABMS132-0.4	MAN MOTOR STARTER	0.25-0.4A	0.09
ABMS132-0.63	MAN MOTOR STARTER	0.4-0.63A	.12/.18
ABMS132-1.0	MAN MOTOR STARTER	0.63-1A	0.25
ABMS132-1.6	MAN MOTOR STARTER	1-1.6A	.37/.55
ABMS132-2.5	MAN MOTOR STARTER	1.6-2.5A	0.75
ABMS132-4.0	MAN MOTOR STARTER	2.5-4A	1.1/1.5
ABMS132-6.3	MAN MOTOR STARTER	4-6.3A	2.2
ABMS132-10	MAN MOTOR STARTER	6.3-10A	4
ABMS132-12	MAN MOTOR STARTER	8-12A	5.5
ABMS132-16	MAN MOTOR STARTER	10-16A	7.5
ABMS132-20	MAN MOTOR STARTER	16-20A	9
ABMS132-25	MAN MOTOR STARTER	20-25A	12.5



## MS165 Manual Motor Starters

Up to 10amps - 65kA

Part Number		Range	kW
ABMS165-16	MAN MOTOR STARTER	10-16A	5.5/7.5
ABMS165-20	MAN MOTOR STARTER	14-20A	9
ABMS165-25	MAN MOTOR STARTER	18-25A	12.5
ABMS165-32	MAN MOTOR STARTER	25-32A	15
ABMS165-42	MAN MOTOR STARTER	30-42A	18.5
ABMS165-54	MAN MOTOR STARTER	40-54A	22
ABMS165-65	MAN MOTOR STARTER	52-65A	30



## MS495 Manual Motor Starters

28-100amp

Part Number		Kw
ABMS495-63	MAN MOTOR STARTER 45-63 A	30
ABMS495-75	MAN MOTOR STARTER 57-75 A	37
ABMS495-90	MAN MOTOR STARTER 70-90 A	45/50
ABMS495-100	MAN MOTOR STARTER 80-100 A	55



## MS116/132/165/495 Manual Motor Starter Accessories

### Auxillary Contacts

to suit - MS116/132/165 Manual Starters

Part Number		Range	kW
ABHKF1-11	AUX CONTACT (FRONT MOUNT) 1N/O+ 1 N/C		
ABHK1-11	AUX CONTACT (SIDE MOUNT) 1 N/O & 1 N/C		
ABHK1-20	AUX CONTACT (SIDE MOUNT) - 2 N/O		
ABHK1-02	AUX CONTACT (SIDE MOUNT) - 2 N/C		
ABSK1-11	SIGNAL TRIP CONTACT (SIDE MOUNT) 1 N/O - 1/N/C		



### MS495 Auxillary Contacts

Part Number	
ABHKS4-11	AUX CONTACT 1 N/O 1 N/C MS495 (SIDE MOUNT)
ABHKS4-20	AUX CONTACT 2 N/O MS450/495 (SIDE MOUNT)
ABHK4-11	FRONT AUX CONTACT 1 N/O 1 N/C (FRONT MOUNT)
ABSK4-11	SIGNAL CONTACT 1 N/O 1 N/C MS4..



### MS116/132 Accessories

Locking Adaptors

Part Number	
ABSA1	LOCK ADPATOR (MS116 ONLY)
ABSA3	LOCKING DEVISE ASSEMBLY (SA1+PADLOCK+3KEYS) (MS116 ONLY)



## MS116/132/165/495 Manual Motor Starter Accessories

### Feeder Blocks & Busbar Modules - MS116/MS132

#### Part Number

ABBS1-3	3PHASE BUS BAR COVER
ABPS1-2-0-65	PHASE BUS 2 MS116 /MS132 0 AUX
ABPS1-3-0-65	PHASE BUS 3 MS116/MS132 + 0 AUX
ABPS1-3-1-65	PHASE BUS 3 MS116/MS132 + 1 AUX
ABPS1-4-0-65	PHASE BUS 4 MS116/MS132 + 0 AUX
ABPS1-4-1-65	PHASE BUS 4 MS116/MS132 + 1 AUX
ABPS1-4-2-65	PHASE BUS 4 MS116/MS132 + 2 AUX
ABPS1-5-0-65	PHASE BUS 5 MS116/MS132 + 0 AUX
ABPS1-5-1-65	PHASE BUS 5 MS116/MS132 + 1 AUX
ABPS1-5-2-65	PHASE BUS 5 MS116/MS132 + 2 AUX
ABS1-M1-25	LINE INFEEED BLOCK FLAT - 25MM - 65AMP
ABS1-M2-25	LINE INFEEED BLOCK HIGH - 25MM - 65AMP



### Shaft/Handles/Coupling - MS116/MS132

#### Part Number

ABMSHD-LB	BLACK HANDLE IP64
ABMSHD-LTY	YELLOW RED HANDLE IP64 WITH TRIP INDICATOR
ABMSMN	COUPLING DRIVER FOR SHAFT 6M UP TO 180MM
ABOX6X180	180MM 6MM SHAFT
ABMSH-AR	SHAFT ALIGNMENT RING
ABMSAH1	SHAFT SUPPORT FOR LONG SHAFTS



### IP65 Enclosures & Door Kits - MS116/MS132

#### Part Number

ABIB132-Y	YELLOW/RED IP65 ENCLOSURE
ABIB132-G	GREY/BLACK IP65 ENCLOSURE
ABDMS132-Y	YELLOW/RED IP65 DOOR KIT
ABDMS132-G	GREY/BLACK IP65 DOOR KIT



### MS116/MS132 - To Contactor 3Phase link

#### Part Number

ABBEA7132	ADAPTOR MS116 - 132 B6/B7 CTR
ABBEA164	ADAPTOR MS116 - 132 to AF 9 - 16 CTR
ABBEA264	ADAPTOR MS116 - 132 (10AMP MAX) TO AF26-38
ABBEA384	ADAPTOR MS116 - 132 (20-32AMP) to AF 26 - 38 CTR



## Miniature Circuit Breakers 6 Ka - C Curve

### 1-pole - 6kA - C Curve

#### Part Number

ABS201C2	MCB 1 POLE 2A 6KA
ABS201C4	MCB 1 POLE 4A 6KA
ABS201C6	MCB 1 POLE 6A 6KA
ABS201C10	MCB 1 POLE 10A 6KA
ABS201C16	MCB 1 POLE 16A 6KA
ABS201C20	MCB 1 POLE 20A 6KA
ABS201C25	MCB 1 POLE 25A 6KA
ABS201C32	MCB 1 POLE 32A 6KA
ABS201C40	MCB 1 POLE 40A 6KA
ABS201C50	MCB 1 POLE 50A 6KA
ABS201C63	MCB 1 POLE 63A 6KA
ABS201C80	MCB 1 POLE 80A 6KA
ABS201C100	MCB 1 POLE 100A 6KA



### 2-pole - 6kA - C Curve

#### Part Number

ABS202C2	MCB 2 POLE 2A 6KA
ABS202C4	MCB 2 POLE 4A 6KA
ABS202C6	MCB 2 POLE 6A 6KA
ABS202C10	MCB 2 POLE 10A 6KA
ABS202C16	MCB 2 POLE 16A 6KA
ABS202C20	MCB 2 POLE 20A 6KA
ABS202C25	MCB 2 POLE 25A 6KA
ABS202C32	MCB 2 POLE 32A 6KA
ABS202C40	MCB 2 POLE 40A 6KA
ABS202C50	MCB 2 POLE 50A 6KA
ABS202C63	MCB 2 POLE 63A 6KA
ABS202C80	MCB 2 POLE 80A 6KA
ABS202C100	MCB 2 POLE 100A 6KA



### 3-pole - 6kA - C Curve

#### Part Number

ABS203C6	MCB 3 POLE 6A 6KA
ABS203C10	MCB 3 POLE 10A 6KA
ABS203C16	MCB 3 POLE 16A 6KA
ABS203C20	MCB 3 POLE 20A 6KA
ABS203C25	MCB 3 POLE 25A 6KA
ABS203C32	MCB 3 POLE 32A 6KA
ABS203C40	MCB 3 POLE 40A 6KA
ABS203C50	MCB 3 POLE 50A 6KA
ABS203C63	MCB 3 POLE 63A 6KA
ABS203C80	MCB 3 POLE 80A 6KA
ABS203C100	MCB 3 POLE 100A 6KA



\* Current ratings below 6A and 4 pole available



## Miniature Circuit Breakers 6kA - D Curve

### 1-pole - 6kA - D Curve

#### Part Number

ABS201D10	MCB 1 POLE 10A 6kA
ABS201D16	MCB 1 POLE 16A 6kA
ABS201D20	MCB 1 POLE 20A 6kA
ABS201D25	MCB 1 POLE 25A 6kA
ABS201D32	MCB 1 POLE 32A 6kA
ABS201D40	MCB 1 POLE 40A 6kA



### 2-pole - 6kA - D Curve

#### Part Number

ABS202D10	MCB 2 POLE 10A 6kA
ABS202D16	MCB 2 POLE 16A 6kA
ABS202D20	MCB 2 POLE 20A 6kA
ABS202D25	MCB 2 POLE 25A 6kA
ABS202D32	MCB 2 POLE 32A 6kA
ABS202D40	MCB 2 POLE 40A 6kA
ABS202D50	MCB 2 POLE 50A 6kA
ABS202D63	MCB 2 POLE 63A 6kA



### 3-pole - 6kA - D Curve

#### Part Number

ABS203D10	MCB 3 POLE 10A 6kA
ABS203D16	MCB 3 POLE 16A 6kA
ABS203D20	MCB 3 POLE 20A 6kA
ABS203D25	MCB 3 POLE 25A 6kA
ABS203D32	MCB 3 POLE 32A 6kA
ABS203D40	MCB 3 POLE 40A 6kA
ABS203D50	MCB 3 POLE 50A 6kA
ABS203D63	MCB 3 POLE 63A 6kA



*\*Other Current ratings available, also in 2 & 4 pole available*

## S200 MCB Accessories Range

#### Part Number

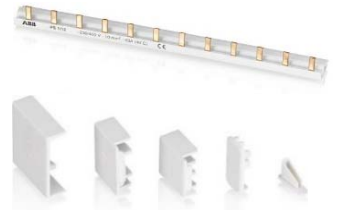
ABSA3	ADAPTOR FOR PADLOCK c/w PADLOCK (KIT)
ABSA1	ADAPTOR FOR PADLOCK
ABS2CA1	SHUNT TRIP COIL 12-60V AC/DC
ABS2CUA230AC	TRIP UNDER VOLTAGE 230V AC
ABS2CSH6R	SIGNAL & AUX CONTACTS
ABS2CH11L	AUX CONTACTS 1NO 1NC - SIDE MOUNT
ABS2CH10	AUX CONTACTS 1NO - BOTTOM MOUNT
ABS2CH01	AUX CONTACTS 1NC - BOTTOM MOUNT



## MCB Busbar Accessories - S200

### Part Number

ABPS1/60/16	60 Pole - 1 Phase 16mm Connection Capacity 80Amp
ABPS3/60/16	60 Pole - 3 Phase 16mm Connection Capacity 80Amp
ABPS-END	END CAP SUIT PS3/....



## Miniature Circuit Breakers (27mm width), 10 kA, C Curve 80 to 125A

### Part Number

ABS801CC80	MCB 1 POLE 80A 25KA 415V-690V C CURVE
ABS801CC100	MCB 1 POLE 100A 25KA 415V-690V C CURVE
ABS801CC125	MCB 1 POLE 125A 25KA 415V-690V C CURVE
ABS803CC80	MCB 3 POLE 80A 25KA 415V-690V C CURVE
ABS803CC100	MCB 3 POLE 100A 25KA 415V-690V C CURVE
ABS803CC125	MCB 3 POLE 125A 25KA 415V-690V C CURVE



## ABB Residual Current Devices

### Residual Current Devices - Only - 2 Pole & 4 Pole

Ratings - 25A, 40A, 63A

### Part Number

ABFH20225	RCD 2 POLE 25A 6KA 30mA
ABFH20240	RCD 2 POLE 40A 6KA 30mA
ABFH20263	RCD 2 POLE 63A 6KA 30mA
ABFH20425	RCD 4 POLE 25A 6KA 30mA
ABFH20440	RCD 4 POLE 40A 6KA 30mA
ABFH20463	RCD 4 POLE 63A 6KA 30mA

*\*100 & 300mA Versions available on request*



### RCD/MCB Combinations 6A - 40A - Two Module 36mm wide

Ratings - 6A, 10A, 16A, 20A, 25A, 32A

### Part Number

ABDS201BS-C6	RCBO, 6kA, 1P+N, AC, C6, 30mA
ABDS201BS-C10	RCBO, 6kA, 1P+N, AC, C10, 30mA
ABDS201BS-C16	RCBO, 6kA, 1P+N, AC, C16, 30mA
ABDS201BS-C20	RCBO, 6kA, 1P+N, AC, C20, 30mA
ABDS201BS-C25	RCBO, 6kA, 1P+N, AC, C25, 30mA
ABDS201BS-C32	RCBO, 6kA, 1P+N, AC, C32, 30mA
ABDS201BS-C40	RCBO, 6kA, 1P+N, AC, C40, 30mA



## Single Module RCD/MCB Combination

Ratings 6A, 10A, 20A, 25A

### Part Number

ABDSN201C6	RCBO, 6kA, 1P+N, AC, C6, 30mA
ABDSN201C10	RCBO, 6kA, 1P+N, AC, C10, 30mA
ABDSN201C16	RCBO, 6kA, 1P+N, AC, C16, 30mA
ABDSN201C20	RCBO, 6kA, 1P+N, AC, C20, 30mA
ABDSN201C25	RCBO, 6kA, 1P+N, AC, C25, 30mA



## DSE201 RCD/MCB Combination Class A Single Module 6kA

Ratings 6A, 10A, 20A, 25A, 32A

### Part Number

ABDSE201C6AC30	RCBO 30MA CLASS A SINGLE MODULE - 6A 6KA
ABDSE201C10AC30	RCBO 30MA CLASS A SINGLE MODULE - 10A 6KA
ABDSE201C16AC30	RCBO 30MA CLASS A SINGLE MODULE - 16A 6KA
ABDSE201C20AC30	RCBO 30MA CLASS A SINGLE MODULE - 20A 6KA
ABDSE201C25AC30	RCBO 30MA CLASS A SINGLE MODULE - 25A 6KA
ABDSE201C32AC30	RCBO 30MA CLASS A SINGLE MODULE - 32A 6KA

*\*Note : 10kA available upon request*



## 4 Pole RCB Combinations - Breaker & RCD 3P + N 30ma

Ratings - 6A, 10A, 16A, 20A, 25A, 32A

### Part Number

ABDS203NCC6AC30	RCBO, 6KA, 3P+N, AC, C6, 30mA
ABDS203NCC10AC30	RCBO, 6KA, 3P+N, AC, C10, 30mA
ABDS203NCC16AC30	RCBO, 6KA, 3P+N, AC, C16, 30mA
ABDS203NCC20AC30	RCBO, 6KA, 3P+N, AC, C20, 30mA
ABDS203NCC25AC30	RCBO, 6KA, 3P+N, AC, C25, 30mA
ABDS203NCC32AC30	RCBO, 6KA, 3P+N, AC, C32, 30mA



# ABB Modular Din Rail Components

## Din Isolators

### Part Number

ABSHD20163	ISOLATOR 1 POLE 63A
ABE20180RD	ISOLATOR 1 POLE 80A
ABE201100RD	ISOLATOR 1 POLE 100A
ABSHD20263	ISOLATOR 2 POLE 63A
ABE20280RD	ISOLATOR 2 POLE 80A
ABE202100RD	ISOLATOR 2 POLE 100A
ABSHD20363	ISOLATOR 3 POLE 63A
ABE20380RD	ISOLATOR 3 POLE 80A
ABE203100RD	ISOLATOR 3 POLE 100A
ABE203125RD	ISOLATOR 3 POLE 125A



## Din Contactors

### Part Number

ABESB2020N06	CONTACTOR DIN 20A 2NO 230V AC/DC
ABESB2020N01	CONTACTOR DIN 20A 2NO 24V AC/DC
ABESB4040N06	CONTACTOR DIN 40A 4NO 230V AC/DC
ABESB4040N01	CONTACTOR DIN 40A 4NO 24VAC/DC

## Surge Protection - Parallel Units - 240V and Three Phase

### Part Number

AB2CTB803871R2400	SURGE PROTECTOR 15ka PLUG IN - 240V
AB2CTB803871R2300	SURGE PROTECTOR 40ka PLUG IN - 240V
AB2CTB803871R2400	SURGE PROTECTOR 70ka PLUG IN 3P + N (3 PHASE)
CB REQUIRED - 15ka = 10A    40ka = 25A    70ka = 32A	

## Time Switches - Weekly/Yearly

### Part Number

ABT1E-R	TIME SWITCH 24 HR ANALOGUE RESERVE SINGLE MOD
ABAT2E	TIME SWITCH 24 HR - ANALOGUE - 3 MOD-NO-RES
ABAT2E-R	TIME SWITCH 24 HR w- RESERVE - ANALOGUE - 3 MOD
ABAT2E-7R	TIME SWITCH 7 DAY - RESERVE ANALOGUE - 3 MOD
ABD1	TIME SW DIGITAL 1 CHANNEL/WEEKLY - RES 2 MOD*
ABD2	TIME SW DIGITAL 2 CHANNEL/WEEKLY - RES 2 MOD*
ABD365	TIME SW DIGITAL 3 CHANNEL/YEARLY - RES 3 MOD

## S200 MCB Busbar

### Part Number

ABPS1/60/16	60 Pole - 1 Phase 16mm Connection Capacity 80Amp
ABPS3/60/16	60 Pole - 3 Phase 16mm Connection Capacity 80Amp
ABPS-END	END CAP SUIT PS3/....



# Star Delta Chart - Starter Hardware Selector



MTR kW	MTR FLC AMPS	Main Contactor	Delta Contactor	Start Contactor	Wiring Kit	Electronic Overload	Overload Setting	Mechanical Interlock	Timer	Motor Circuit Breaker
2.2	5	AF9	AF9	AF9	ABBEY164	ABEF19-6.3	2.9	ABVEM4	ABCT-SDD.22	ABS203D10
4	7.5	AF9	AF9	AF9	ABBEY164	ABEF19-6.3	4.4	ABVEM4	ABCT-SDD.22	ABS203D16
5.5	10	AF9	AF9	AF9	ABBEY164	ABEF19-6.3	5.8	ABVEM4	ABCT-SDD.22	ABS203D20
7.5	14	AF12	AF12	AF12	ABBEY164	ABEF19-18.9	8.2	ABVEM4	ABCT-SDD.22	ABS203D25
11	21	AF12	AF12	AF12	ABBEY164	ABEF19-18.9	12.2	ABVEM4	ABCT-SDD.22	ABS203D32
15	28	AF16	AF16	AF12	ABBEY164	ABEF19-18.9	16.3	ABVEM4	ABCT-SDD.22	ABS203D40
18.5	35	AF26	AF26	AF16	ABBEY384	ABEF45-30	20.5	ABVEM4	ABCT-SDD.22	ABS203D50
22.5	40	AF26	AF26	AF16	ABBEY384	ABEF45-30	23.5	ABVEM4	ABCT-SDD.22	ABS203D63
30	55	AF38	AF38	AF26	ABBEY384	ABEF45-45	32	ABVEM4	ABCT-SDD.22	AB1SDA051320R1
37	66	AF52	AF52	AF40	ABBEY654	ABEF65-70	38.5	ABVM96-4	ABCT-SDD.22	AB1SDA051320R1
45	80	AF52	AF52	AF40	ABBEY654	ABEF65-70	46.5	ABVM96-4	ABCT-SDD.22	AB1SDA051321R1
55	100	AF65	AB65	AF52	ABBEY654	ABEF65-70	58	ABVM96-4	ABCT-SDD.22	AB1SDA051322R1
75	135	AF96	AF96	AF80	ABBEY964	ABEF96-100	78.5	ABVM96-4	ABCT-SDD.22	AB1SDA051323R1

**\* \* \* DO NOT FORGET TO SPECIFY COIL VOLTAGES \* \* \***

**NOTE: UPON SELECTION OF HARDWARE F.L.C. OF MOTORS SHOULD BE TAKEN INTO FULL CONSIDERATION.**

*Items selected are a guide only.*





ABEDB36M250G



ABEDB400MAG



ABEDB700DING

Main switch	Pole capacity	Height (mm)	Width (mm)	Depth (mm)	RAL7035 Grey	X15 Orange
<b>Standard assembled distribution board with 250A main switch</b>						
250A	24	700	600	228	ABEDB24M250G	ABEDB24M250OR
250A	36	900	600	228	ABEDB36M250G	ABEDB36M250OR
250A	48	1100	600	228	ABEDB48M250G	ABEDB48M250OR
250A	60	1100	600	228	ABEDB60M250G	ABEDB60M250OR
250A	72	1300	600	228	ABEDB72M250G	ABEDB72M250OR
250A	84	1500	600	228	ABEDB84M250G	ABEDB84M250OR
250A	96	1500	600	228	ABEDB96M250G	ABEDB96M250OR
<b>Standard equipment box – complete with gear tray - no escutcheon</b>						
250A		300	600	228	ABEDB300MAG	ABEDB300MOR
250A		400	600	228	ABEDB400MAG	ABEDB400MOR
250A		600	600	228	ABEDB600MAG	ABEDB600MOR
<b>Standard assembled DIN distribution board to mount lighting controls and building automation (KNX) and similar</b>						
Nil	72	700	600	228	ABEDB700DING	ABEDB700DINOR
	96	900	600	228	ABEDB900DING	ABEDB900DINOR
	120	1100	600	228	ABEDB1100DING	ABEDB1100DINOR
	144	1300	600	228	ABEDB1300DING	ABEDB1300DINOR

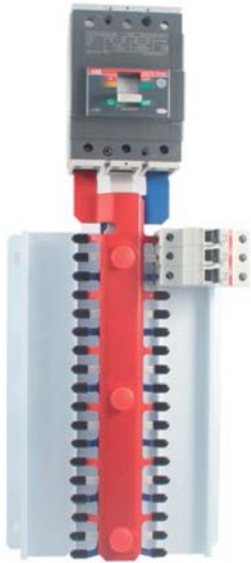
The system is available in RAL7035 Grey or X15 Orange colours in a variety of standard configurations and the modular design also allows simple customisation according to individual requirements.

Encapsulated busbar chassis systems of 250A and 400A are available.

A wide range of accessories are available to complete the distribution board requirements

- 24-96 pole
- Encapsulated 250A and 400A chassis
- 25kA for 0.1s (250A)
- 50kA for 0.1s (400A)
- Hybrid chassis available
- Isolatable chassis available
- Two screw earth and neutral bars
- Main switch (non-auto or MCCB)
- Lockable handle CL001 key
- 92268 key and NSW E-Lock optional
- Removable gland plates top and bottom
- Split chassis arrangements

<b>Technical data</b>	
Standard width	600mm
Standard depth	228mm
Body and door metal	1.6mm
Escutcheon	1.2mm
IP rating	IP42
External colour	RAL7035 grey or X15 orange
Escutcheon colour	Gloss white
Paint thickness	50 micron
Pole capacity	24-96 poles
Additional DIN rail	42 poles
Hinge location	Left



Compact chassis system to suit the System pro M miniature circuit breaker range. Suitable for S200, S200M, S200P, DSE201, RCBO's and DDA200 RCBO Blocks. Where DSE201 RCBO's are utilised all MCB's and RCBO's are bottom fed. For DDA blocks all components are top fed and should not be mixed with DSE RCBO's. CM chassis are available as a universal (dual feed), Top feed or bottom feed according to the installation requirements.

## Technical data

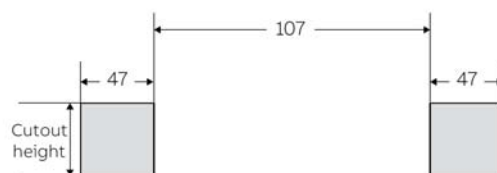
- 250A and 400A
- Type tested to AS 3439.1 20kA 0.2sec (400A), 20kA 0.1sec (250A)
- Chassis suitable for S200, S200M, S200P, S200 80/100A, E200, DS271, DSE201, DDA200
- Splayed busbar for incomer connections
- Tee offs stripped and 100% capped
- Improved insulation capability
- 3 phase and neutral available on request
- 1 phase and neutral or 2 pole DC available on request

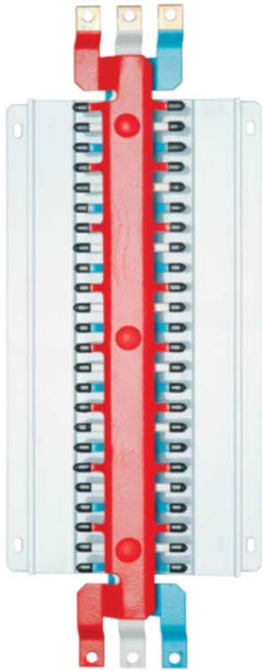
Pole capacity	Height (mm)	Cutout height (mm)	Universal feed	
				Order code
				Top feed
<b>250A CM chassis</b>				
12 pole	107	108	CM25012U	CM25012TF
18 pole	160	163	CM25018U	CM25018TF
24 pole	214	218	CM25024U	CM25024TF
30 pole	267	269	CM25030U	CM25030TF
36 pole	320	323	CM25036U	CM25036TF
42 pole	374	376	CM25042U	CM25042TF
48 pole	428	430	CM25048U	CM25048TF
60 pole	534	536	CM25060U	CM25060TF
72 pole	641	643	CM25072U	CM25072TF
84 pole	748	750	CM25084U	CM25084TF
96 pole	855	850	CM25096U	CM25096TF
<b>400A CM chassis</b>				
12 pole	107	108	CM40012U	CM40012TF
18 pole	160	163	CM40018U	CM40018TF
24 pole	214	218	CM40024U	CM40024TF
30 pole	267	269	CM40030U	CM40030TF
36 pole	320	323	CM40036U	CM40036TF
42 pole	374	376	CM40042U	CM40042TF
48 pole	428	430	CM40048U	CM40048TF
60 pole	534	536	CM40060U	CM40060TF
72 pole	641	643	CM40072U	CM40072TF
84 pole	748	750	CM40084U	CM40084TF
96 pole	855	850	CM40096U	CM40096TF

## Note:

Bottom feed available on request

## Escutcheon cutout details





## Hybrid chassis for high performance circuit breakers

For use with S800 high performance circuit breakers. The hybrid chassis arrangement provides 6 poles of 27mm pitch with the balance available in the conventional 17.5mm. Also available are complete chassis in the 27mm pitch for 250A and 400A. CMP chassis are available as a top feed as standard. Bottom feed and universal feed is available as indent.

### Technical data

- 250A and 400A
- Type tested to AS3439.1, 20kA, 0.1sec (250A). 20kA, 0.2sec (400A)
- Chassis suitable for S800 high performance circuit breakers
- Splayed busbar for incomer connections
- Tee offs stripped and 100% capped
- Improved insulation capability

### Hybrid chassis for high performance breakers with 6 poles @ 27mm (S800)

Total pole capacity	Current rating	Pole capacity 27mm pitch	17.8mm pitch	Order code
18 pole	250A	6	12	CMP2506H12TF
24 pole	250A	6	18	CMP2506H18TF
36 pole	250A	6	30	CMP2506H30TF
48 pole	250A	6	42	CMP2506H42TF
18 pole	400A	6	12	CMP4006H12TF
24 pole	400A	6	18	CMP4006H18TF
36 pole	400A	6	30	CMP4006H30TF
48 pole	400A	6	42	CMP4006H42TF

### Chassis for high performance breakers with total capacity @ 27mm (S800)

Total pole capacity	Current rating	Pole capacity 27mm pitch	Order code
12 pole	250A	12	CMP25012TF
18 pole	250A	18	CMP25018TF
12 pole	400A	12	CMP40012TF
18 pole	400A	18	CMP40018TF

**For Distribution up to 250AMP - 36kA**

## XT1 160 Thermal Magnetic 36kA - Fixed (F) 3 Pole Front Terminals

Part Number		Amps
AB1SDA066799R1	XT1B 160 TMD 16-450 3p F F - 16kA	10
AB1SDA066800R1	XT1B 160 TMD 20-450 3p F F - 16kA	20
AB1SDA067391R1	XT1C 160 TMD 25-450 3p F F - 25kA	25
AB1SDA067411R1	XT1N 160 TMD 32-450 3p F F	32
AB1SDA067412R1	XT1N 160 TMD 40-450 3p F F	40
AB1SDA067413R1	XT1N 160 TMD 50-500 3p F F	50
AB1SDA067414R1	XT1N 160 TMD 63-630 3p F F	63
AB1SDA067415R1	XT1N 160 TMD 80-800 3p F F	80
AB1SDA067416R1	XT1N 160 TMD 100-1000 3p F F	100
AB1SDA067417R1	XT1N 160 TMD 125-1250 3p F F	125
AB1SDA067418R1	XT1N 160 TMD 160-1600 3p F F	160



## XT2 160 Electronic 36kA - Fixed (F) 3 pole front Terminals

Part Number		Amps
AB1SDA067056R1	XT2N 160 Ekip LS/I In=63A 3 p F F	63
AB1SDA067057R1	XT2N 160 Ekip LS/I In=100A 3p F F	100
AB1SDA067058R1	XT2N 160 Ekip LS/I In=160A 3p F F	160



## XT3 250 Thermal Magnetic 36kA - Fixed (F) 3 pole front Terminals

Part Number		Amps
AB1SDA068053R1	XT3N 250 TMD 63-630 3p F F	63
AB1SDA068054R1	XT3N 250 TMD 80-800 3p F F	80
AB1SDA068055R1	XT3N 250 TMD 100-1000 3p F F	100
AB1SDA068056R1	XT3N 250 TMD 125-1250 3p F F	125
AB1SDA068057R1	XT3N 250 TMD 160-1600 3p F F	160
AB1SDA068058R1	XT3N 250 TMD 200-2000 3p F F	200
AB1SDA068059R1	XT3N 250 TMD 250-2500 3p F F	250



## XT4 160 - 250 Electronic/Thermal Magnetic 36kA - Fixed (F) 3 pole

Part Number		Amps
AB1SDA068090R1	XT4N 250 TMA 200-2500 3p F F	63
AB1SDA068092R1	XT4N 250 TMA 250-2500 3p F F	80
AB1SDA068125R1	XT4N 160 Ekip LS/I In=160A 3p F F	100
AB1SDA068126R1	XT4N 250 Ekip LS/I In=250A 3p F F	125





**For Distribution up to 250AMP - 70kA**

**XT1-160 - 70kA Thermal Magnetic Fixed (F) front Terminals 3 pole**

Part Number		Amps
AB1SDA067449R1	XT1H 160 TMD 50-500 3p F F	50
AB1SDA067450R1	XT1H 160 TMD 63-630 3p F F	63
AB1SDA067451R1	XT1H 160 TMD 80-800 3p F F	80
AB1SDA067452R1	XT1H 160 TMD 100-1000 3p F F	100
AB1SDA067453R1	XT1H 160 TMD 125-1250 3p F F	125
AB1SDA067454R1	XT1D 160 TMD 160-1600 3p F F	160



**XT2-160 - 70kA Electronic Fixed (F) Front Terminals 3 pole**

Part Number		Amps
AB1SDA067859R1	XT2H 160 Ekip LS/I In=63A 3p F F	63
AB1SDA067860R1	XT2H 160 Ekip LS/I In=100A 3p F F	100
AB1SDA067861R1	XT2N 160 Ekip LS/I In=160A 3p F F	160



**XT4-160-250 - 70kA Thermal Magnetic/Electronic Fixed (F) Front Terminals 3 pole**

Part Number		Amps
AB1SDA068343R1	XT4H 250 TMA 200-2000 3p F F	200
AB1SDA068345R1	XT4H 250 TMA 350-2500 3p F F	250
AB1SDA068514R1	XT4H 160 Ekip LS/I In=160A 3p F F	160
AB1SDA068515R1	XT4H 250 Ekip LS/I In=250A 3p F F	250



**XT 2 - 3 & 4 Moulded Case Breakers**

**For Motor Protection Up to 200AMP - 50kA**

Part Number		Amps
AB1SDA067765R1	XT2S 160 MA 20 Im=120...280 3p F F	20
AB1SDA067766R1	XT2S 160 MA 32 Im=192...448 3p F F	32
AB1SDA067767R1	XT2S 160 MA 52 Im=314...728 3p F F	52
AB1SDA067768R1	XT2S 160 MA 80 Im=480...1120 3p F F	80
AB1SDA067769R1	XT2S 160 MA 100 Im=600...1400 3p F F	100
AB1SDA068280R1	XT3S 250 MA 125 Im=750...1500 3p F F	125
AB1SDA068281R1	XT3S 250 MA 160 Im=960...1920 3p F F	160
AB1SDA068282R1	XT3S 250 MA 200 Im=1200...2400 3p F F	200
AB1SDA068480R1	XT4S 250 EKIP I In=250A 3p FF	250
AB1SDA054134R1	XT4H 320 PR221DS-1 In=320 3p F F	320
AB1SDA054351R1	T5H400 PR221DS-I In=400 3P F F	400





## XT1-XT3 Switch disconnecter - Fixed (F) 3 poles - Front Terminals

Part Number		Amps
AB1SDA068208R1	XT1D 160 3p F F	160
AB1SDA068210R1	XT3D 250 3p F F	250



## XT Moulded Case Breaker - Accessories

### Rotary Handles

Part Number	
AB1SDA066475R1	RHD DIRECT HANDLE SUITS XT1 + XT3
AB1SDA069053R1	RHD DIRECT HANDLE SUITS XT2 + XT4
AB1SDA066479R1	RHE EXTERNAL KIT HANDLE SHAFT AND ADAPTOR SUITS XT1, XT2 + XT3
AB1SDA069055R1	RHE EXTERNAL KIT HANDLE SHAFT AND ADAPTOR SUITS XT2 + XT4



### Padlock Devices for XT Breakers

Part Number	
AB1SDA066588R1	PLL SUITS XT1 + XT3
AB1SDA066589R1	PLL SUITS XT1 + XT3
AB1SDA066592R1	PLL SUITS XT2 + XT4



### Stunt Trips

Part Number	
AB1SDA066314R1	SOR XT1 TO XT4 24-30 VAC/DC SHUNT TRIP
AB1SDA066317R1	SOR XT1 TO XT4 220..240 VAC-220...250VDC SHUNT TRIP



### Auxillary Contacts

Part Number	
AB1SDA066422R1	AUX 250 V XT1 TO XT4
AB1SDA066424R1	AUX-SA 250 V XT2 + XT4 SHORT CIRCUIT AND OLOAD TRIP ONLY



## Door Mount

Part Number		Amps
ABOT16FT3	16A PANEL MOUNT SWITCH 3P - 22.5m Mounting	16
ABOT25FT3	25A PANEL MOUNT SWITCH 3P - 22.5m Mounting	25
ABOT40FT3	40A PANEL MOUNT SWITCH 3P - 22.5m Mounting	40
ABOT63FT3	63A PANEL MOUNT SWITCH 3P - 4 Screw Mounting	63
ABOT80FT3	80A PANEL MOUNT SWITCH 3P - 4 Screw Mounting	80
ABOT100FT3	100A PANEL MOUNT SWITCH 3P - 4 Screw Mounting	100
ABOT125FT3	125A PANEL MOUNT SWITCH 3P - 4 Screw Mounting	125



## Auxiliary Contacts for OT-FT3 Door Mount/Isolators

Part Number	
ABOA1G01	1- N/C - SUITS OT16FT3 - OT125FT3
ABOA1G10	1 -N/O - SUITS OT16FT3 - OT125FT3
ABOA2G11	1 -N/O - 1 N/C - SUITS OT160ET3
ABOAZX1	ADAPTOR FOR OT160ET3 AUXILLARY



## Fourth Pole for OT-FT3 Door Mount/Isolators

Part Number	
ABOTPS40FDN1	FOURTH POLE - OT16FT3 - OT40FT3
ABOTPS80FD	FOURTH POLE - OT63FT3 - OT80FT3
ABOTPS125FD	FOURTH POLE - OT100FT3 - OT125FT3



## Handles - For OT Door Mount Isolators

Handles 22.5mm Mount up to OT16FT3 TO OT40FT3 - PADLOCKABLE

Part Number	
ABOHS2PJ	BLACK 22.5m MOUNT - OT16FT3 to OT40FT3
ABOHS2PJ	YELLOW / RED 22.5M MOUNT - OT16FT3 to OT40FT3



Handles Screw Mount OT16FT3...OT125FT3 - PADLOCKABLE

Part Number	
ABOHS2RJ	BLACK HANDLE SCREW MOUNT - OT16FT3 to OT125FT3
ABOHS2RJ	YELLOW / RED HANDLE SCREW MOUNT - OT16FT3 to OT125FT3



## Base Mount - Switch Only (3 pole) 6mm Shaft OT16-OT160

Part Number		Amps
ABOT16F3	16A DIN RAIL MOUNT	16
ABOT40F3	40A DIN RAIL MOUNT	40
ABOT63F3	63A DIN RAIL MOUNT	63
ABOT80F3	80A DIN RAIL MOUNT	80
ABOT100F3	100A DIN RAIL MOUNT	100
ABOT125F3	125A DIN RAIL MOUNT	125
ABOT160G03P1SCA02257R5950	160A AMP DIN RAIL MOUNT (includes Shaft & handle)	160



## 6mm Shafts - For Selector Handle

OT16-OT100

### Part Number

ABOX56X120	6mm SHAFT 120m Length - suit ABOHB52AJ - ABOHYS2AJ
ABOX56X250	6mm SHAFT 250m Length - suit ABOHB52AJ - ABOHYS2AJ
ABOX56X330	6mm SHAFT 330m Length - suit ABOHB52AJ - ABOHYS2AJ



## 6mm Shafts - For Pistol Grip Handle

### Part Number

ABOXP6X210	6mm SHAFT 210m Length - suit ABOHB45J6 - ABOHB65J6
ABOXP6X430	6mm SHAFT 330m Length - suit ABOHB45J6 - ABOHB65J6



## Handles - 6mm - Selector & Pistol Grip - Padlockable

### Part Number

ABOHB52AJ	HANDLE - PADLOCKABLE - BLACK - OT16 - OT100
ABOHB52AJ	HANDLE - PADLOCKABLE - YELLOW / RED - OT16 - OT100
ABOHB45J6	PISTOL HANDLE - BLACK - 45mm OT100 - OT125
ABOHB65J6	PISTOL HANDLE - BLACK - 65mm - OT160



## Auxiliary Contacts - OT16F3 - OT125F3

### Part Number

ABOA1G10	1 N/O, SUIT OT RHS max 2 pcs. - OT16F3 - OT125F3
ABOA1G01	1 N/C SUIT OT LHS max 2 pcs. - OT16F3 - OT125F3
ABOETLZX58	SHAFT SUPPORT FOR LONG SHAFTS, OT16...125F



## Fourth Pole

### Part Number

ABOTPS40FPN1	SUIT OT16...OT40F3
ABOTPS80FP	SUIT OT63...OT80F3
ABOTPS125FP	SUIT OT125F3
ABOTZ250E	SUIT OT160E3



## Enclosed Motor Isolators - OT Series (3 pole)

### Red & Yellow Padlockable Handle

### Part Number

Amps

ABOTP16BA3M	16A IP65 ENCLOSED MOTOR ISOLATOR RED/YELLOW	16
ABOTP25BA3M	25A IP65 ENCLOSED MOTOR ISOLATOR RED/YELLOW	25
ABOTP32BA3M	32A IP65 ENCLOSED MOTOR ISOLATOR RED/YELLOW	32
ABOTP45BA3M	45A IP65 ENCLOSED MOTOR ISOLATOR RED/YELLOW	45
ABOTP63BA3M	63A IP65 ENCLOSED MOTOR ISOLATOR RED/YELLOW	63
ABOTDCP32SA22M	32A 1000V DC ENCLOSED SOLAR ISOLATOR	32



## Accessories for OT Isolators - Auxillary Contacts

### Part Number

ABOA1G10	NORMALLY OPEN AUXILARY
ABOA1G01	NORMALLY CLOSED AUXILARY

## Base Mount - Load Break Switches (OT) 200A to 250A Kits

Outboard Shaft ( 3 Pole ) mechanism at end of switch

Part Number		Amps
ABOT200E03P	200A - Inc 65mm Handle & 210mm Shaft	200
ABOT250E03P	250A - Inc 65mm Handle & 210mm Shaft	250
ABOT315E03P	315A - Inc 95mm Handle & 185mm Shaft	315
ABOT400E03P	400A - Inc 95mm Handle & 185mm Shaft	400
ABOT630E03P	630A - Inc 125 mm Handle & 185mm Shaft	630
ABOT800E03P	800A - Inc 12mm Handle & 185mm Shaft	800
ABOT1000E03P	Inc. 145mm Handle & 250mm Shaft	1000
ABOT1250E03P	Inc. 145mm Handle & 250mm Shaft	1250
ABOT1600E03P	Inc. 145mm Handle & 250mm Shaft	1600
ABOT2500E03P	Inc Bar Handle & 325mm Shaft	2500



## Base Mount - Inboard Shaft ( 3 Pole )

Between the poles - 200A - 250A Kits

Part Number		Amps
ABOT200E12P	200AMP 3 POLE - Inc. Handle & shaft	200
ABOT250E12P	250A 3 POLE - Inc. Handle & shaft	250
ABOT315E12P	315A 3 POLE - Inc. Handle & shaft	315
ABOT400E12P	400A 3 POLE - Inc. Handle & shaft	400
ABOT630E12P	630AMP 3 POLE - Inc. Handle & shaft	630
ABOT800E12P	800A 3 POLE - Inc. Handle & shaft	800
ABOT1000E12P	1000A 3 POLE - Inc. Handle & shaft	1000
ABOT1250E12P	1250A 3 POLE- Inc. Handle & shaft	1250
ABOT1600E12P	1600A 3 POLE - Incl. Handle & shaft	1600
ABOT2500E12P	2500A 3 POLE - Incl. Handle & shaft	2500



## Base Mount - Changeover Switches (3 Pole)

200A - 400A Kits

Part Number		Amps
ABOT200E03CP	200A - Inc 65mm Handle & 161mm Shaft	200
ABOT250E03CP	250A - Inc 65mm Handle & 161mm Shaft	250
ABOT315E03CP	315A - Inc 95mm Handle & 166mm Shaft	315
ABOT400E03CP	400A - Inc 95mm Handle & 166mm Shaft	400



## Changeover Switches (4 Pole) 200A - 400A - KITS

Part Number		Amps
ABOT200E04CP	200A - Inc 65mm Handle & 161mm Shaft	200
ABOT250E04CP	250A - Inc 65mm Handle & 161mm Shaft	250
ABOT315E04CP	315A - Inc 95mm Handle & 166mm Shaft	315
ABOT400E04CP	400A - Inc 95mm Handle & 166mm Shaft	400



## Accessories

### Accessories - with Defeat Mechanism

Optional handles, front operated ( Plastic handles ), IP65 - 4 Pole - Padlockable

Part Number	
Optional handles, front operated ( Plastic handles ), IP65 - 4 Pole - Padlockable	
for OT 200...250 ( Handle length: 65mm, Shaft diam.: 6mm )	
ABOHB65N6	Black Handle ON-OFF/I-O indication
for OT 315...400 ( Handle length: 95mm, Shaft diam.: 12mm )	
ABOHB95N12	Black Handle ON-OFF/I-O indication
for OT315...800 ( Handle length: 125mm, Shaft diam.: 12mm )	
ABOHB125N12	Black Handle ON-OFF/I-O indication



### Metallic handles

IP65

Part Number	
ABYASDA28	black, length: 145mm for OT315...800 & OETL1000...1600
ABYASDA8	black, length: 220mm for OT315...800 & OETL1000...3150



### Optional change over handles with I-O-II -indication

Plastic Handle - IP65

Part Number	
ABOHB145N12E011	black, length: 145mm for OETL200 - 1600



### Handle for direct mount

Part Number	
ABOTV250EK	Black Suit OT200 - 250 Includes 65mm Handle & Shaft
ABOTV400EK	Black Suit OT315 - 400 Includes 65mm Handle & Shaft



## Extended Shafts

Optional handles, front operated ( Plastic handles ), IP65 - 4 Pole - Padlockable

### Part Number

for OT 200 - 250 ( Shaft diamt.: 6mm )

ABOX6X210	Shaft 6mm x 210mm
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ABOX6X430	Shaft 6mm x 430mm
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for OT 315 - 800 & OETL1000...3150 ( Shaft diamt.: 12mm )

ABOX12x250	Shaft 12mm x 250mm
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ABOX12x280	Shaft 12mm x 280mm
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ABOX12x325	Shaft 12mm x 325mm
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ABOX12x395	Shaft 12mm x 395mm
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ABOX12x465	Shaft 12mm x 465mm
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ABOX12x535	Shaft 12mm x 535mm
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## Shaft Accessories

### Part Number

Shaft extension socket

ABOETLZX95	for OT315...800 & OETL400...3150 ( 12mm )
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Adaptors for shaft extension socket

ABOETLZK19	Adapt 5mm shaft to 12mm shaft, use with OETLZX95
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## Auxiliary contact sets

### Part Number

for OT200...OT800

ABOA1G10	1N/O
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ABOA3G01	1N/C
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for OETL 1000 - 3150





## 22mm Pushbuttons, non - illuminated, Momentary, IP66

### Flush Plastic Bezel

#### Part Number

ABMP1-10R	RED, FLUSH PLASTIC BEZEL OPERATOR
ABMP1-10G	GREEN, FLUSH PLASTIC BEZEL OPERATOR
ABMP1-10Y	YELLOW, FLUSH PLASTIC BEZEL OPERATOR
ABMP1-10B	BLACK, FLUSH PLASTIC BEZEL OPERATOR
ABMP1-10L	BLUE, FLUSH PLASTIC BEZEL OPERATOR
ABMP1-10W	WHITE, FLUSH PLASTIC BEZEL OPERATOR
ABMP1-7081	RED PUSH BUTTON "STOP" TEXT
ABMP1-7144	BLUE PUSH BUTTON RESET TEXT
ABMP1-7059	GREEN PUSH BUTTON START TEXT



### Raised Plastic Bezel

#### Part Number

ABMP3-10R	RED, RAISED PLASTIC BEZEL OPERATOR
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## 22mm Pushbuttons, Illuminated, Momentary, IP66

### Flush Plastic Bezel

#### Part Number

ABMP1-11R	RED, FLUSH PLASTIC BEZEL OPERATOR - ILLUMINATED
ABMP1-11G	GREEN, FLUSH PLASTIC BEZEL OPERATOR - ILLUMINATED
ABMP1-11Y	YELLOW, FLUSH PLASTIC BEZEL OPERATOR - ILLUMINATED
ABMP1-11L	BLUE, FLUSH PLASTIC BEZEL OPERATOR - ILLUMINATED
ABMP1-11W	WHITE, FLUSH PLASTIC BEZEL OPERATOR - ILLUMINATED
ABMP1-11M	MULTI LENSE FLUSH PLASTIC BEZEL OPERATOR - ILLUMINATED RGAW



### Raised Plastic Bezel - Illuminated

#### Part Number

ABMP3-11R	RED, FLUSH PLASTIC BEZEL OPERATOR - ILLUMINATED
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### Double Push Button Operator

#### Part Number

ABMPD2-11B	FLUSH NON ILLUMINATED OPERATOR
ABMPD2-11G	FLUSH ILLUMINATED OPERATOR - (GREEN ILLUMINATED INSERT)



## 22mm Short Handle Selector Switch IP66 Actuators - Non Illuminated Plastic Bezel 2 Position

### Part Number

ABM2SS2-10B	2 POSITION PLASTIC BEZEL MAINTAINED OPERATOR
ABM2SS3-10B	2 POSITION PLASTIC BEZEL SPRING RETURN FROM RIGHT OPERATOR



## Plastic Bezel 3 Position

### Part Number

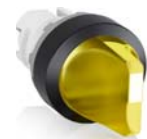
ABM3SS1-10B	3 POSITION PLASTIC BEZEL MAINTAINED OPERATOR
ABM3SS3-10B	3 POSITION PLASTIC BEZEL SPRING RETURN FROM RIGHT OPERATOR
ABM3SS7-10B	3 POSITION PLASTIC BEZEL SPRING RETURN FROM LEFT OPERATOR
ABM3SS2-10B	3 POSITION PLASTIC BEZEL SPRING RETURN FROM BOTH OPERATOR



## 22mm Short Handle Selector Switch IP66 Actuators - Illuminated Plastic Bezel

### Part Number

ABM2SS2-11R	RED, 2 POSITION PLASTIC BEZEL MAINTAINED OPERATOR
ABM2SS2-11G	GREEN, 2 POSITION PLASTIC BEZEL MAINTAINED OPERATOR
ABM2SS2-11Y	YELLOW, 2 POSITION PLASTIC BEZEL MAINTAINED OPERATOR
ABM2SS2-11L	BLUE, 2 POSITION PLASTIC BEZEL MAINTAINED OPERATOR



## Emergency Stops

### 22mm Emergency Stop Pushbuttons

#### Plastic

### Part Number

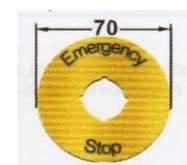
ABMPMT3-10R	MUSHROOM 40mm RED TWIST RELEASE Operator
ABMPET4-10R	MUSHROOM 40MM RED TWIST RELEASE - FLATE TYPE
ABMPMT4-10R	MUSHROOM 60mm RED TWIST RELEASE Operator
ABMPMT3-11R	ILLUMINATED 40mm TWIST RELEASE
ABMPMT4-11R	MUSHROOM 60mm Illuminated RED TWIST/RELEASE Operator
ABCE4T-10R-02	MUSHROOM 40mm SAFETY ESTOP RED TWIST RELEASE
	(Compact 2 x NC Intergrated Blocks)



### Estop Accessories

### Part Number

ABSK615546-2	LEGEND EMERG STOP 70mm DIA
ABCA1-8053	40mm Protective Ring for Estop



## 22mm Emergency stop (Enclosed)

### Stop Start Enclosed

#### Part Number

ABMEPY1-1026	MUSHROOM 40mm RED TWIST RELEASE Enclosure (Grey/Yellow with 2 x NC Contacts)
ABMA6-1101	LEGEND EMERGENCY STOP FOR ENCLOSED ESTOP ONLY
ABMEP2-1001	FLUSH STOP START STATION ENCLOSED -



## 22mm Key Selector Switch IP66 Actuators

### Plastic Bezel

#### Part Number

ABM2SSK1-101	2 POSITION PLASTIC BEZEL KEY OPERATOR
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## 22mm Potentiometer Kit

### Plastic Bezel

#### Part Number

ABMT-310B	10K POT AND KNOB COMPLETE
ABSK615562-88	LEGEND PLATE FOR POT ABOVE



## 22mm Buzzer Kit

### Plastic Bezel

#### Part Number

ABCB1-620B	24V AC/DC BUZZER
ABCB1-623B	230V AC BUZZER



## Operator Accessories

### Latches

#### Part Number

ABMCBH-00	HOLDER BRACKET ( 1 - 3 BLOCKS )
ABMCBH5-00	HOLDER BRACKET ( 1 - 5 BLOCKS )



### Contact Blocks

#### Part Number

ABMCB-10	CONTACT BLOCK N/O FRONT
ABMCB-01	CONTACT BLOCK N/C FRONT
ABMCB-20	DOUBLE BLOCK 2 NO FRONT MNT
ABMCB-02	DOUBLE BLOCK 2 NC FRONT MNT
ABMCB-11	DOUBLE BLOCK NO & NC FRONT MNT



### Accessories

#### Part Number

ABMA1-8130	BLANKING PLUG PLASTIC - BLACK
ABMA1-8015	MOUNTING TOOL FOR NUT
ABMA1-8053	EMERGENCY STOP SHROUD
ABMA1-8052	RUBBER BOOT FOR FLUSH BUTTONS
ABMA1-8002	RUBBER BOOT FOR EXTENDED BUTTONS
ABKA1-8029	30MM TO 22MM ADPATOR RING FOR PUSH BUTTON SELECTORS & BUZZERS



## Optional Metal Bezel - For Push Buttons & Selectors

### Part Number

ABKA1-8021	CHROME METAL BEZEL FOR PUSH BUTTONS
ABKA1-8024	CHROME METAL BEZEL FOR SELECTOR SWITCHES



## ABB Pilot Lights

### 22mm Pilot Light, IP66

#### Plastic Bezel

### Part Number

ABML1-100R	RED, PLASTIC PILOT LIGHT HEAD
ABML1-100G	GREEN, PLASTIC PILOT LIGHT HEAD
ABML1-100Y	YELLOW, PLASTIC PILOT LIGHT HEAD
ABML1-100L	BLUE, PLASTIC PILOT LIGHT HEAD
ABML1-100C	CLEAR, PLASTIC PILOT LIGHT HEAD
ABML1-100W	WHITE, PLASTIC PILOT LIGHT HEAD



### Operator Accessories

#### Latches

### Part Number

ABMCBH-00	HOLDER BRACKET ( 1 - 3 BLOCKS )
ABMCBH5-00	HOLDER BRACKET ( 1 - 5 BLOCKS )



### Intergrated LED Module 24V AC/DC

### Part Number

ABMLBL-01R	RED, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-01G	GREEN, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-01Y	YELLOW, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-01L	BLUE, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-01W	WHITE, LAMP BLOCK WITH LED, FRONT MOUNTING



### Intergrated LED Module 110-130V AC

### Part Number

ABMLBL-04R	RED, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-04G	GREEN, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-04Y	YELLOW, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-04W	WHITE, LAMP BLOCK WITH LED, FRONT MOUNTING



### Intergrated LED Module 230V AC

### Part Number

ABMLBL-07R	RED, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-07G	GREEN, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-07Y	YELLOW, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-07L	BLUE, LAMP BLOCK WITH LED, FRONT MOUNTING
ABMLBL-07W	WHITE, LAMP BLOCK WITH LED, FRONT MOUNTING



## Base Mount Contact Blocks & Pilot Lights

### Contact Blocks for enclosures - Base Mounting

#### Part Number

ABMCB-10B	1 NO REAR MOUNTING CONTACT BLOCK
ABMCB-01B	1 NC REAR MOUNTING CONTACT BLOCK

### Intergrated LED Module 24V AC/DC - Base Mounting

#### Part Number

ABMLBL-01BR	RED, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-01BG	GREEN, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-01BY	YELLOW, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-01BL	BLUE, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-01BW	WHITE, LAMP BLOCK WITH LED, REAR MOUNTING

### Intergrated LED Module 110-130V AC - Base Mounting

#### Part Number

ABMLBL-04BR	RED, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-04BG	GREEN, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-04BY	YELLOW, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-04BL	BLUE, LAMP BLOCK WITH LED, REAR MOUNTING

### Intergrated LED Module 230V AC - Base Mounting

#### Part Number

ABMLBL-07BR	RED, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-07BG	GREEN, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-07BY	YELLOW, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-07BL	BLUE, LAMP BLOCK WITH LED, REAR MOUNTING
ABMLBL-07BW	WHITE, LAMP BLOCK WITH LED, REAR MOUNTING

## 22mm Plastic Enclosures & Accessories

### Dark Grey/Light Grey For Base Mount Blocks

#### Part Number

ABMEP1-0	1 HOLE PLASTIC ENCLOSURE
ABMEP2-0	2 HOLE PLASTIC ENCLOSURE
ABMEP3-0	3 HOLE PLASTIC ENCLOSURE
ABMEP4-0	4 HOLE PLASTIC ENCLOSURE
ABMEP6-0	6 HOLE PLASTIC ENCLOSURE

## 22mm Metal Enclosures & Accessories

#### Part Number

ABKEM1-0	ALLOY 1 HOLE ENCLOSURE
ABKEM2-0	ALLOY 2 HOLE ENCLOSURE
ABKEM3-0	ALLOY 3 HOLE ENCLOSURE
ABKEM4-0	ALLOY 4 HOLE ENCLOSURE



## Legend Plates for Push Buttons

### Part Number

ABKA1-8120	LEGEND INSERT HOLDER (KA18120)
ABKA1-8121	LEGEND INSERT ; BLANK (KA18121)
ABMA6-1056	LEGEND PB - FORWARD
ABMA6-1057	LEGEND PB - REVERSE
ABMA6-1138	LEGEND PB - DOWN
ABMA6-1043	LEGEND PB - UP
ABMA6-1044	LEGEND PB - START
ABMA6-1045	LEGEND PB - STOP
ABMA6-1047	LEGEND PB - RESET
ABMA6-1054	LEGEND PB - RUN
ABMA6-1058	LEGEND PB - FAULT



### 2 Position Inserts - Inserts for Three Pos

#### Part Number

ABMA6-1073	LEGEND PB - OFF - ON (Pos 21 - Pos 22)
ABMA6-1085	LEGEND PB - HAND - AUTO (Pos 31 - Pos 33)



### 3 Position Inserts

#### Part Number

ABMA6-1086	LEGEND PB - MAN - OFF - AUTO (Pos 31 - Pos 32 - Pos 33)
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## 22.5mm Compact Push Button Range

### Intergrated Contacts

#### Push Buttons Flush Momentary

#### Part Number

ABCP1-10R-11	PUSH BUTTON, RED - N/O - N/C CONTACT
ABCP1-10G-11	PUSH BUTTON, GREEN - N/O - N/C CONTACT
ABCP1-10Y-11	PUSH BUTTON, AMBER - N/O - N/C CONTACT
ABCP1-10L-11	PUSH BUTTON, BLUE - N/O - N/C CONTACT
ABCP1-10W-11	PUSH BUTTON, WHITE - N/O - N/C CONTACT



#### Push Button Illuminated Flush Momentary

#### 24V/AC/DC

#### Part Number

ABCP1-11R-01	PUSH BUTTON ILLUMINATED, RED - N/C CONTACT 24VAC/DC
ABCP1-11G-10	PUSH BUTTON ILLUMINATED, GREEN - N/O CONTACT 24VAC/DC
ABCP1-11Y-10	PUSH BUTTON ILLUMINATED, AMBER - N/O CONTACT 24VAC/DC





# 22.5mm Compact Push Button Range

## Integrated Contacts



### Push Button Illuminated Flush

240VAC

#### Part Number

ABCP1-13R-01	PUSH BUTTON ILLUMINATED, RED - N/C CONTACT 240VAC
ABCP1-13G-10	PUSH BUTTON ILLUMINATED, GREEN - N/O CONTACT 240VAC
ABCP1-13Y-10	PUSH BUTTON ILLUMINATED, AMBER - N/O CONTACT 240VAC



### Pilot Light

24VAC/DC

#### Part Number

ABCL2-502R	PILOT LIGHT, RED - 24VAC/DC
ABCL2-502G	PILOT LIGHT, GREEN - 24VAC/DC
ABCL2-502Y	PILOT LIGHT, AMBER - 24VAC/DC
ABCL2-502L	PILOT LIGHT, BLUE - 24VAC/DC
ABCL2-502C	PILOT LIGHT, CLEAR - 24VAC/DC



### Pilot Light 22.5mm

240VAC

#### Part Number

ABCL2-523R	PILOT LIGHT, RED - 240VAC
ABCL2-523G	PILOT LIGHT, GREEN - 240VAC
ABCL2-523Y	PILOT LIGHT, AMBER - 240VAC
ABCL2-523L	PILOT LIGHT, BLUE - 240VAC
ABCL2-523C	PILOT LIGHT, CLEAR - 240VAC



### Selector Switches - 22.5mm

#### Part Number

ABC2SS1-10B-10	2 POSITION SWITCH 1 - N/O CONTACT
ABC3SS1-30B-20	3 POSITION SWITCH 2 - N/O CONTACT



### E Stops - Panel Mount

#### Part Number

ABCE4T-10R-02	ESTOP 40MM TWIST TO RELEASE - 2 N/C CONTACTS
ABCE3T-10R-02	ESTOP 30MM TWIST TO RELEASE - 2 N/C CONTACTS



### Estop Compact Enclosed

#### Part Number

ABCEPY1-2001	COMPACT ENCLOSED ESTOP 40MM - 2 N/C CONTACT WITH SHROUD
	TWIST TO RELEASE



### Enclosures For Compact 22.5mm Range

#### Part Number

ABMEP1-0	SINGLE HOLE PLASTIC ENCLOSURE 22.5MM
ABMEP2-0	TWO HOLE PLASTIC ENCLOSURE 22.5MM
ABMEP3-0	THREE HOLE PLASTIC ENCLOSURE 22.5MM
ABMEP4-0	FOUR HOLE PLASTIC ENCLOSURE 22.5MM
ABMEP6-0	SIX HOLE PLASTIC ENCLOSURE 22.5MM



## Timers - Din Rail Slimline - ABB

### Part Number

ABCT-ERD.12	TIMER ON Delay, 1 C/O, 0.05 Sec to 100 Hrs - 24-240V AC/DC
ABCT-AHD.12	TIMER OFF Delay, 1 C/O, 0.05 Sec to 100 Hrs - 24-240V AC/DC
ABCT-MFD.12	7 FUNCTION ON/OFF, PULSE, FLASHER, PULSE ,IC/O 24-240V AC/DC
ABCT-SDD.22	STAR DELTA TIMER - 24-240V AC/DC



## ECO Timers & Bases - AT Series - Autonics

48mm x 48mm

Part Number	Type	Contacts	Supply	Pins
AUAT8N	AT8N	CONFIG. 1-INST 1-TIMED	24-240 VAC/DC	8
AUAT11DN	AT11N	MULTI FUNCTION	24-240VAC/DC	11
AUPS-08	PS08	DIN RAIL		8
AUPS-11	PS11	DIN RAIL		11
AUPG-08	PG08	REV BASE		8
AUPG-11	PG11	REV BASE		11
AUPGB48W		PANEL ADAPTOR BRACKET		



## LE4S - Multifunction LED Timer - Autonics

48mm x 48mm

Part Number	Type	Contacts	Supply	Pins
AULE4S	LE4S	1 - TIMED C/O	24-240AC/DC	8
AULE4SA	LE4SA	2 - TIMED & INSTANT	24-240VACDC	8
		TWIN TIMER MULTIFUNCTION		



## Eco Digital Counter Timers - Autonics

### 6 Digit CT Series - Autonics

Part Number	Type	Supply
AUCT6S-2P2	48x48-2-PRESET	2-NO-1-SS 240-48VDC TERMINAL
AUCT6S-2P4	48x48-2-PRESET	2-NO-1-SS 110-240VAC TERMINAL
AUCT6M-2P4	72x72-2-PRESET	2-NO-1-SS 110-240VAC TERMINAL



## Time Clock - Autonics

### Part Number

### Type

AULE365S-41	100-240VAC Time Clock, SPST, 15A, 48, Steps Weekly, 24 Steps Yearly, Panel+Surface+Din Mount
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## Interface Relays - 6 AMP - PLC Series

### Phoenix

Part Number		Control Voltage	Amps	Poles
XPC2966906	PLC-RSC -12VDC - Relay	12VDC	6	1
XPC2966171	PLC-RSC-24VDC - Relay	24VDC	6	1
XPC2966184	PLC-RSC-24VAC/DC - Relay	24VAC/DC	6	1
XPC2966207	PLC-RSC-240VAC - Relay	240VAC	6	1
XPC2966197	PLC-RSC-120VAC/DC - Relay	120VAC	6	1
XPC2966634	PLCRSC-SSR-24VDC - SSR	24VDC	3	1
XPC2961163	REL-MR-24VDC (SPARE - Relay) 12VDC	12VDC	6	1
XPC2961105	REL-MR-24VDC (SPARE - Relay) 24VDC	24VDC	6	1
XPC2961118	REL-MR-60DC (SPARE Relay 240V)	240VAC	6	1
XPC2966595	PLCRSC - SSR (SPARE - Relay) 24VDC SSR	24VDC	3	1
XPC2966786	BRIDGE BAR 500M	ALL		



## G2R1 Single Pole Relays Slimline

### Omron

Part Number		Control Voltage	Amps	Poles
OMG2RN8797D	G2R1SN1 SLIMLINE 1 POLE	12V DC	10	1
OMG2RN8798B	G2R1SN1 SLIMLINE 1 POLE	24VDC	10	1
OMG2RN8800H	G2R1SN1 SLIMLINE 1 POLE	24V AC	10	1
OMG2RN8801F	G2R1SN1 SLIMLINE 1 POLE	110V AC	10	1
OMG2RN8804M	G2R1SN1 SLIMLINE 1 POLE	240V AC	10	1
OMP2R6002M	P2RF05E BASE DIN RAIL	BASE		

\*Flat Pins

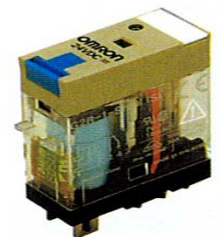


## G2R2 2 Pole Relays Slimline

### Omron

Part Number		Control Voltage	Amps	Poles
OMG2RN8836R	G2R2SN1 SLIMLINE 2 POLE	12V DC	5	2
OMG2RN8837G	G2R2SN1 SLIMLINE 2 POLE	24V DC	5	2
OMG2RN8839C	G2R2SN1 SLIMLINE 2 POLE	24V AC	5	2
OMG2RN8840G	G2R2SN1 SLIMLINE 2 POLE	110V AC	5	2
OMG2RN8843A	G2R2SN1 SLIMLINE 2 POLE	240V AC	5	2
OMP2R6003H	P2RF08E BASE DIN RAIL	BASE		

\*Flat Pins



## Pluggable Miniature Relays - with LED 2 & 4 Pole

### ABB

Part Number		Control Voltage	Amps	Poles	
ABCRM012DC2L	RELAY P-I 12VDC 2C/O 12A	12 VDC	12	2	
ABCRM024DC2L	RELAY P-I 24VDC 2C/O 12A	24 VDC	12	2	
ABCRM024AC2L	RELAY P-I 24VAC 2C/O 12A	24 VAC	12	2	
ABCRM110AC2L	RELAY P-I 110VAC 2C/O 12A	110 VAC	12	2	
ABCRM230AC2L	RELAY P-I 230VAC 2C/O 12A	230 VAC	12	2	
ABCRM024DC4L	RELAY P-I 24VDC 4C/O 6A	24 VDC	6	4	
ABCRM024AC4L	RELAY P-I 24VAC 4C/O 6A	24 VAC	6	4	
ABCRM110AC4L	RELAY P-I 110VAC 4C/O 6A	110 VAC	6	4	
ABCRM230AC4L	RELAY P-I 230VAC 4C/O 6A	RELAY P-I 230VAC 4C/O 6A	230 VAC	6	4

\* ABB RELAY COMPATIBLE WITH OMRON MY2 & MY4 SERIES



## Sockets for miniature relays - CR-M

ABB

Part Number

Poles

ABCRM4SS	STANDARD SOCKET to SUIT 2 & 4 C/O	4
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## Slimline Single & Two Pole Relays 8/16 AMP with LED & Operator

Phoenix

Part Number

Control Voltage

Amps

Poles

XPC2987888	RELAY 1 POLE	24V DC	16	1
XPC2987891	RELAY 1 POLE	24V AC	16	1
XPC2987914	RELAY 1 POLE	240V AC	16	1
XPC2961257	RELAY 2 POLE	12V DC	8	2
XPC2987943	RELAY 2 POLE	24V DC	8	2
XPC2987956	RELAY 2 POLE	24V AC	8	2
XPC2987972	RELAY 2 POLE	240V AC	8	2
XPC2900930	RIF-1 1 & 2 POLE RELAY SOCKET, SCREW CONNECTION			
XPC2900931	RIF-1 1 & 2 POLE RELAY SOCKET, PUSH IN CONNECTION			

\* NOTE 24VDC RELAYS - CONNECTION A1 = +VE A2 = -VE (POLARITY DIFFERS TO OMRON RELAYS)



## 2 & 4 Pole IR Relays 5/10 AMP with LED & Operator

Phoenix

Part Number

Control Voltage

Amps

Poles

XPC2903660	RELAY 2 POLE	24V DC	12	2
XPC2903666	RELAY 2 POLE	24V AC	12	2
XPC2903668	RELAY 2 POLE	240V AC	12	2
XPC2903677	RELAY 4 POLE	24V DC	6	4
XPC2903686	RELAY 4 POLE	24V AC	6	4
XPC2903688	RELAY 4 POLE	240V AC	6	4
XPC2900932	RIF-2 2 & 4 POLE RELAY SOCKET, SCREW CONNECTION			
XPC2900934	RIF-2 2 & 4 POLE RELAY SOCKET, PUSH IN CONNECTION			

\* NOTE 24VDC RELAYS - CONNECTION A1 = +VE A2 = -VE (POLARITY DIFFERS TO OMRON RELAYS)



## Timer Module for RIF 1,2,3 & 4

Phoenix

Part Number

XPC2902647	RIF-T3-24UC, 0.5-100m, on Delay 12...24VDC
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## LY2N - 2 Pole Relays

Omron 10 Amp

Part Number

Control Voltage

Amps

Poles

OMLY25160B	LY2N DC12 BY OMI	12V DC	10	2
OMLY25161M	LY2N DC24 BY OMI	24V DC	10	2
OMLY25154H	LY2N AC24 BY OMI	24V AC	10	2
OMLY25156D	LY2N AC110/120 BY OMI	110V AC	10	2
OMLY25158M	LY2N AC220/240 BY OMI	240V AC	10	2
OMPT5001A	PTF08A-E BY OMI	BASE		2

\* NOTE : LY4 4 POLE AVAILABLE UPON REQUEST



## MK2PN - Octal 8 pin 2 pole

Omron 10 Amp

Part Number		Control Voltage	Amps	Poles
OMMKS8498F	MKS2PIN DC24	24V DC	10	2
OMMKS8487B	MKS2PIN AC24	24V AC	10	2
OMMKS8490M	MKS2PIN AC110	110V AC	10	2
OMMKS8495A	MKS2PIN AC240	240V AC	10	2
OMPF2000A	PF083A-E BY OMZ	BASE		2



## MK3PN - Octal 11 pin 3 pole

Omron 10 Amp

Part Number		Control Voltage	Amps	Poles
OMMKS8566D	MKS3PIN-5 DC24	24V DC	10	3
OMMKS8555R	MKS3PIN-5 AC24	24V AC	10	3
OMMKS8858C	MKS3PIN-5 AC110	110V AC	10	3
OMMKS8563M	MKS3PIN-5 AC240	240V AC	10	3
OMPF2002H	PF113A-E BY OMZ	BASE		3



# Safety Relays, Switches & Accessories

## Sick Safety Monitoring Relays & Expanders - Cat 4

Part Number	Type	Inputs	Output	AUX	Supply	Reset
SI6024894	UE43-2MF3D2 22.5mm Wide	1 NC/2NC EStops Gates	2 N/O	1-N/C	24VDC	Auto/Man
SI6024916	UE48-20S3D2 22.5mm Wide	1 NC/2NC EStops Gates Light Curtain - T4000 - TR4	2 N/O	1-N/C	24VDC	Auto/Man Mon Man
SI6024897	UE43-3MF2D3 45mm Wide	1 NC/2NC EStops Gates	3 N/O	1-N/C	24VDC	Auto/Man
SI6024901	UE43-3MF2A3 45mm Wide	1NC/2NC EStops Gates	3 N/O	1-N/C	240VAC	Auto/ Man
SI6024918	UE43-2MF3D2 22.5mm Wide	1 - 24VDC Individual Control	2 N/O	1-N/C with EDM Monitoring	24VDC	
SI1043916	UE10-2FG3D0 22.5mm Wide	2 - 24VDC Individual Control	2 N/O 3 AMP	with EDM Monitoring	24VDC	





## Safety Switches & Interlocks

### Part Number

SI6025059	I12-SB213 SAFETY INTERLOCK	Tounge Switch, 2NC 1NO, Type 2, Plastic Body, 31x90.5x30.4mm
SI6025059	IE12-S1 ACTUATOR	Fixed Actuator to suit above I12
SI6025067	I17-SA213 SAFETY INTERLOCK	Tounge Switch, 2NC 1NO, Type 2, Plastic Body, 52x95x32mm
SI5311129	IE16-F1 ACTUATOR	Flexible Actuator to suit above I17
SI6025074	I110-SA223 SAFETY INTERLOCK	Tounge Switch, 2NC 2NO, Type 2, Metal Body,
SI5308759	IE200-F1 ACTUATOR	Flexible Actuator to suit above I110
SI6025060	I14-M0213 SAFETY INTERLOCK	Power to Release Tounge Switch, 2NC 1NO, Type 2, Metal Body
SI5311133	IE14-S1 ACTUATOR	Fixed Actuator to suit above IE14
SI1059503	RE13-SAC MAGN. SAFETY SENSOR	Non Contact, Sensor and Actuator, 2NO, Type 4, M8 4 Pin
SI1062011	RE13-SA05 MAGN. SAFETY SENSOR	Non Contact, Sensor and Actuator, 2NO, Type 4, 5mt Cable
SI1059509	RE27-SA68L MAGN. SAFETY SENSOR	Non Contact, Sensor and Actuator, 2NO, 1 Sig Contact, Type 4, 0.2mt Cable with plug M12, 8 Pin
SI1059510	RE27-SA05L MAGN. SAFETY SENSOR	Non Contact, Sensor and Actuator, 2NO, 1 Sig Contact, Type 4, 5mt Cable
SI6034578	TR4-SEM02C TRANSPONDER SAFETY SWITCH	Non-Contact, Universally coded, Sensor and Actuator Type 4, 0.2m Cable with plug M12, 5 Pin
SI6034589	TR110-SLUSA00 TRANSPONDER SAFETY SWITCH	Power to Lock, Uniquely Coded, Type 4, M12 8 Pin, Metal Body
SI5321176	TR110-XAS	Straight Actuator to suit above TR-110
SI1091789	MB1-BL10	Mechanical bolts for safety switches to suit TR-110

\* For Cables refer to pages 78 & 79



## Safety Monitoring Relays

### ABB Safety Monitoring Relays

#### Expanders Cat 4

Part Number	Type	Inputs	Output	AUX	Supply	Reset
ABRT9.24D (OLD)	22.5mm width	1 N/C - 1 N/C 1 N/O 2 N/C	3 N/O Relay	1 N/C	24VDC	Auto
ABSSR10 (NEW)	22.5mm width	Estop, Gate, Light Curtain		Relay		Man Man/Auto
ABRT6.24D (OLD)	45mm width	1 N/C - 1 N/C 1 N/O 2 N/C	3 N/O Relay	1 N/C	24VDC	Auto
ABSSR10 (NEW)	22.5mm width	Estop, Gate, Light Curtain		Relay		Man Man/Auto
ABRT6.230A	45mm width	1 N/C - 1 N/C 1 N/O 2 N/C	3 N/O Relay	1 N/C	240VAC	Auto
ABSSR10M (NEW)	22.5mm width	Estop, Gate, Light Curtain		Relay		Man Man/Auto
ABVITAL1.24D	22.5 width	Dynamic input, Eden Sensors, TWA Components Spot Photo Electrics Focus L Beams	2 N/O Relay	Information Output NPN/PNP	24VDC	Auto/Man Monitored Manual
ABRT6.230A	45mm width	1 N/C - 1 N/C 1 N/O 2 N/C	3 N/O Relay	1 N/C	240VAC	Auto
ABSSR10M (NEW)	22.5mm width	Estop, Gate, Light Curtain		Relay		Man Man/Auto





## Phoenix Safety Monitoring Relays

Part Number	Type	Inputs	Output	AUX	Supply	
XPC2900509	22.5mm width	1 N/C - 2 N/C Estop, Gates	3 N/O	1 N/C	24VAC/ DC	Auto/Man Mon/Man
XPC2981059	22.5mm width	1 N/C - 2 N/C Estop, Gates, Light Curtains	3 N/O	1 N/C	24VAC/ DC	Auto/Man Mon/Man
XPC2901428	22.5mm width	1 N/C - 2 N/C Estop, Gates	3 N/O	1 N/C	240VAC	Auto/Man Mon/Man Man/Auto



## Phoenix Safety Relay Expander

### Expanders Cat 4

Part Number	Type	Inputs	Output	AUX	Supply	
XPC2981033	22.5mm width	1 -24VDC Expander with EDM	5 N/O 6 AMP	1 N/C 6AMP	24VAC/ DC	
XPC2963747	22.5mm width	1 -24VDC Safety Relay Positively guided	5 N/O 6 AMP	2 N/C 6AMP	24VAC/ DC	



## Phoenix Slimline Safety Monitoring Relay

Part Number	Type	Inputs	Output	AUX	Supply	
XPC2700569	12.5mm width	2 N/C Estop, Gates Light Curtains	3 N/O	1 N/C	24VDC	Auto/Man



## Phoenix Positively Guided Safety Relays

Part Number	Type	Voltage	Amps	Poles
XPC2981363	Universal Safety Relay with forcibly guided contacts, two pole SP/DT Contacts	24VAC/DC	5AMP	2-C/O
XPC2981444	Universal Safety relay with forcibly guided contacts, 6 Pole Safety Relay	24VAC/DC	6AMP 4-N/O 2-N/C	



## UNO ECO Slimline Power Supply

Part Number	Supply	Output	Amps	Dimensions
XPC2902991	80 - 264VAC	24VDC	1.25A	22 x 90 x 84
XPC2902992	85 - 264VAC	24VDC	2.5A	35 x 90 x 84
XPC2902993	85 - 264VAC	24VDC	4.1A	55 x 90 x 84
XPC2904376	85 - 264VAC	24VDC	6.25A	37 x 130 x 125
XPC2904372	85 - 264VAC	24VDC	10.0A	45 x 130 x 125



## Essential Single Phase Slimline Power Supply

Part Number	Supply	Output	Amps	Dimensions
XPC2910586	85-26V AC	24V DC	5A	40 x 123 x 117
XPC2910587	85-26V AC	24V DC	10A	60 x 123 x 117
XPC2910588	85-26V AC	24V DC	20A	85 x 123 x 138



## Trio Power Slimline Single Phase Din Rail Power Supply with PT Terminals

Part Number	Supply	Output	Amps	Dimensions
XPC2903147	85 - 264VAC	24V DC	3A	35 x 130 x 115
XPC2903148	85 - 264VAC	24V DC	5A	35 x 130 x 115
XPC2903149	85 - 264VAC	24V DC	10A	42 x 130 x 160
XPC2903151	85 - 264VAC	24V DC	20A	68 x 130 x 160



## Trio Power Slimline 3 Phase Din Rail Power Supply with PT Terminals

Part Number	Supply	Output	Amps	Dimensions
XPC2903153	3x320-57VAC/2x360-570VAC	24V DC	5A	35 x 130 x 115
XPC2903154	3x320-57VAC/2x360-570VAC	24V DC	10A	42 x 130 x 160
XPC2903155	3x320-57VAC/2x360-570VAC	24V DC	20A	65 x 130 x 160
XPC2903156	3x320-57VAC/2x360-570VAC	24V DC	40A	110 x 130



## Quint SFB Power 1 - Single Phase Din Rail Power Supply

Part Number	Supply	Output	Amps	Dimensions
XPC2866747	85 - 264VAC	18 - 29.5VDC	2.5A	32x130x125mm
XPC2866750	85 - 264VAC	18 - 29.5VDC	5A	40x130x125mm
XPC2866763	85 - 264VAC	18 - 29.5VDC	10A	60x130x125mm
XPC2866776	85 - 264VAC	18 - 29.5VDC	20A	90x130x125mm
XPC2866789	85 - 264VAC	18 - 29.5VDC	40A	180x130x125mm



## Quint SFB Power 1 - 3 Phase Din Rail Power Supply

Part Number	Supply	Output	Amps	Dimensions
XPC2866734	3 x 320 - 575VAC	18 - 29.5VDC	5.0A	70 x 130 x 125
XPC2866705	3 x 320 - 575VAC	18 - 29.5VDC	10A	85 x 130 x 125
XPC2866792	3 x 320 - 575VAC	18 - 29.5VDC	20A	160 x 130 x 125
XPC2866802	3 x 320 - 575VAC	18 - 29.5VDC	40A	240 x 130 x 125



## Trio Diode Redundancy Module

Part Number	Supply	Amps	Dimensions
XPC2866514	3 x 320 - 575VAC	2 x 10A - 1 x 20A	32 x 130 x 115



## Quint Oring Redundancy Module

Part Number	Supply	Amps	Dimensions
XPC2320173	18 - 28VDC	2 x 10A - 1 x 20A	70 x 130 x 125
XPC2320186	18 - 28VDC	2 x 20A - 1 x 40A	38 x 130 x 135
XPC2902879	18 - 28VDC	2 X 40A - 1 X 80A	66 x 130 x 125



## Quint Diode Module

Part Number	Supply	Amps	Dimensions
XPC2320157	10 - 30VDC	2 x 20A - 1 x 40A	50 x 130 x 125



## Eco Slimline Plastic Housing - MDR Series

Part Number		Supply Volts	Size	Amps
MEMDR-20-24	Single Phase 24VDC	85-264V AC	22.5x90x100mm	1
MEMDR-40-24	Single Phase 24VDC	85-264V AC	40x90x100mm	1.7
MEMDR-60-24	Single Phase 24VDC	85-264V AC	40x90x100mm	2.5
MEMDR-100-24	Single Phase 24VDC	85-264V AC	110x90x100mm	4



## Eco Metal Housing Slimline - EDR Series

Part Number		Supply Volts	Size	Amps
MEEDR-75-24	Single Phase 24VDC	90 - 265 AC	32 x 125 x 102mm	3.2
MEEDR-120-24	Single Phase 24VDC	90 - 265 AC	40 x 125 x 133mm	5
MEEDR-150-24	Single Phase 24VDC	90 - 265 AC	40 x 125 x 133mm	6.5



## Metal Housing Slimline - NDR Series

Part Number		Supply Volts	Size	Amps
MENDR-120-24	Single Phase 24VDC	90 - 265V AC	40 x 125 x 133mm	5
MENDR-240-24	Single Phase 24VDC	90 - 265V AC	65 x 113 x 125mm	10
MENDR-480-24	Single Phase 24VDC	90 - 265V AC	85 x 128 x 125mm	20



## High Efficiency Compact Metal Housing - SDR Series

Part Number		Supply Volts	Size	Amps
MESDR-120-24	Single Phase 24VDC	85 - 264 AC	40x125x114mm	5
MESDR-240-24	Single Phase 24VDC	85 - 264AC	63 x 125 x 114mm	10
MESDR-480-24	Single Phase 24VDC	85 - 264AC	85 x 125 x 128mm	20



## 2 Phase Metal Housing - WDR Series

Part Number		Supply Volts	Size	Amps
MEWDR-120-24	2 Phase 24VDC	180 - 550VAC	40 x 125 x 114mm	5
MEWDR-240-24	2 Phase 24VDC	180 - 550VAC	63 x 125 x 114mm	10
MEWDR-480-24	2 Phase 24VDC	180 - 550VAC	85 x 125 x 128mm	20



## TDR - 3 Phase Metal Case Compact - TDR Series

Part Number		Supply Volts	Size	Amps
METDR-240-24	3 Phase 24VDC	340 - 550VAC	63 x 125.2 x 113.5mm	10
METDR-480-24	3 Phase 24VDC	340 - 550VAC	63 x 125.2 x 113.5mm	20
METDR-960-24	3 Phase 24VDC	340 - 550VAC	63 x 125.2 x 113.5mm	40



## Enclosed 12 Volt DC Power Supplies

Part Number		Supply Volts	Size	Amps
MEMDR-20-12	Single Phase 12VDC	85-264 VAC	22 x 90 x 100	1.67
MEMDR-40-12	Single Phase 12VDC	85-264 VAC	40 x 90 x 100	3.3
MEDR-60-12	Single Phase 12VDC	85-264 VAC	40 x 90 x 100	5
MEEDR-120-12	Single Phase 12VDC	85-264 VAC	40 x 120 x 113	10



## HLG Harsh Environment IP67 Power Supplies

Part Number		Supply Volts	Size	Amps
MEHLG-150H-24	Single Phase 24VDC	90 305VAC	228x68x38mm	6
MEHLG-240H-24	Single Phase 24VDC	90 - 305VAC	244x68x38mm	10
MEHLG-600H-24A	Single Phase 24VDC	90 - 305VAC	280x144x48mm	20



**\*\* AUSTRALIAN APPROVED - COMES WITH FLYING LEAD**

## DR Redundancy UPS Modules

Part Number		Supply Volts	Size	Amps
MEDR-RDN20	Redundant Power Supply		55 x 125 x 100mm	20
MEDR-UPS40	UPS for up to 40A Supply		55 x 125 x 100mm	40



## Transformers - Control & Signalling

Primary : 230-400V+ 15V - 50/60Hz Secondary: 24-48V

Part Number		Output Volts	Output VA
LE44231	* Safety Isolating Transformer	24-48V	40
LE44232	* Safety Isolating Transformer	24-48V	63
LE44233	* Safety Isolating Transformer	24-48V	100
LE44234	* Safety Isolating Transformer	24-48V	160
LE44235	* Safety Isolating Transformer	24-48V	250

\* Fixes direct to Din Rail \*



## Transformers - Control & Signalling

Primary : 230-400V+ 15V - 50/60Hz Secondary: 115-23V

Part Number		Output Volts	Output VA
LE44261	* Safety Isolating Transformer	115-230V	40
LE44262	* Safety Isolating Transformer	115-230V	63
LE44263	* Safety Isolating Transformer	115-230V	100
LE44264	* Safety Isolating Transformer	115-230V	160
LE44265	* Safety Isolating Transformer	115-230V	250

\* Fixes direct to Din Rail \*



## Autonics Temperature controls - TZ/TK Series

### TZ4ST 48 X 48

Part Number	Main Output	Alarm
AUTZ4ST14R	Relay Output	1 Alarm - Relay
AUTZ4ST22R	Relay Output	2 Alarms - Relay
AUTZ4ST24R	Relay Output	2 Alarms - Relay
AUTZ4ST14S	SSR Output	1 Alarm - Relay
AUTZ4ST14C	4.20mA Output	1 Alarm - Relay
AUTZ4SP14R	Relay Output	1 Alarm - Relay Plug IN
AUTZ4ST-22R	Relay Output	2 Alarms



### TZ4H 48 X 96

Part Number	Main Output	Alarm
AUTZ4H24R	RELAY OUTPUT	2 Alarms - Relay
AUTZ4H24S	SSR OUTPUT	2 Alarms - Relay
AUTZ4H24C	4.20mA OUTPUT	2 Alarms - Relay





## TZ4M 72 X 72

Part Number	Main Output	Alarm
AUTZ4M24R	RELAY OUTPUT	2 ALARMS - RELAY
AUTZ4M24S	SSR OUTPUT	2 ALARMS - RELAY
AUTZ4M24C	4.20mA OUTPUT	2 ALARMS - RELAY



## TZ4L 96 X 96

Part Number	Main Output	Alarm
AUTZ4L24R	RELAY OUTPUT	2 ALARMS - RELAY
AUTZ4L24S	SSR OUTPUT	2 ALARMS - RELAY
AUTZ4L24C	4.20mA OUTPUT	2 ALARMS - RELAY



## TK4S 48 X 48

Part Number	Main Output	Alarm
AUTK4S-24RN	Relay	2 Relays
AUTK4S-24RR	Relay H/C	2 Relays
AUTK4S-24CC	SSR/4.20mm	2 Relays
AUTK4SP-14CN	SSR/4.20mm	1 Relay (plug in 11 pin)
AUTK4SP-14RN	Relay	1 Relay (plug in 11 pin)
AUTK4SP-12RN	Relay	1 Relay (plug in 11 pin)
AUPS11	11 pin din rail base for AUTK4SP	2 ALARMS - RELAY



### FEATURES:

- Universal inputs - thermocouple RTD-PT100, 4-20mA, 0-10V
- Outputs available - relay 4-20 mA, 0-10V
- Up to 2 alarms, all fully configurable
- Hysteresis and offset settings
- Re-transmission models available
- Power supply - 24V AC/DC model available
- All models settable for process application 0-100%
- 8 pin plug in din rail mount version - TZ4SP available
- Full error indication
- Fully Scaleable
- Loop break alarm
- Manual reset
- Sensor break alarm
- Lock function

## Jumo Integral Sink

Part Number	Type	Control Voltage	Load Voltage	Amps
JU00673976	Single Phase - Block	4-32VDC	25-265VAC	25
JU00673981	Single Phase - block	4-32VDC	42-530VAC	50
JU00638037	Single Phase - Din	4-32VDC	600VAC	40
JU00638040	3 Phase - Din	4-32VDC	600VAC	20



## Autonics

Part Number	Type	Control Voltage	Load Voltage	Amps
AUSR1-1450-N	Panel Mount SSR	4-30VDC	48-480VAC	50
Dielectric strength : 2500VAC~ 50/60Hz				



# Signal Converters & Process Indicators

## Konics Digital Signal Converters

### Part Number

AUCN6101C1	Isolated signal convertor with display universal inputs RTD - t/couple -0-10v - 4.20ma output 4.20ma - plug in 8 pin complete with din rail base
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## Konics Digital Process Converters

### Part Number

AUKN2411W	Digital indicator 48mm x 96mm unviwersal inputs RTD t/couple - 0-10v 4.20ma fully scaleable retransmission 4 alarms output relays 24vdc supply - dc power supply for loop
AUM4NSA	Digital loop powered indicator 48mm x 24mm - fully scaleable zero span adjustment - 4-20ma loop
AUMT4YDA4N	Digital indicator 72mm x 32mm - 4.20ma input - fully scaleable zero span adjustment - 110 / 240v supply
AUMT4YDU4N	Digital indicator 72mm x 32mm - 0-10volt input - fully scaleable zero span adjustment - 110 / 240v supply



## Jumo Large Digit Process Indicators

### Part Number

701531/888-22	Indicator 48mm x 96mm RTD- t/couple - 0-10v - 4-20ma input 2 alarms fully scaleable 20mm digits - 24vdc supply
701531/888-23	Indicator 48mm x 96mm RTD - t/couple - 0-10v - 4-20ma input 2 alarms fully scaleable 20mm digits - 110 / 240vac supply
701530/888-22	Indicator 48mm x 24mm RTD - t/couple - 0-10v - 4-20ma input 2 alarms fully scaleable - 10mm digits - 24vdc supply
701530/888-23	Indicator 48mm x 24mm RTD - t/couple - 0-10v - 4-20ma input 2 alarms fully scaleable - 10mm digits - 110 / 240vac supply



## Mini Signal Converters MCR Range

### Temperature PT100 - Thermocouple

Part Number		Input	Output	Dimensions
XPC2810308	MINI MCR-SL-PT100-LP-NC	PT100	4-20ma	93 x 6 x 102
	Configurable loop-powered temp.	02-03-04	20-4ma	
	Converter Pt 100 - 150°C ....300°C	Wire		
XPC2902851	MINI MCR-SL-TC-UI-NC	J Type	4-20ma 0-5V	93 x 6 x 102
	Configurable 24VDC Temperature	K Type	0-20ma 1-5V	
	converter for Thermocouples - 4 Wire		20-4ma 0-10V	
	- 150°C - 300°C		20-0ma 10-0V	
XPC2864273	MINI MCR-SL-PT100-UI-NC - MCR	PT100	4-20ma 0-5V	93 x 6 x 102
	Configurable 24VDC 4 wire	2-3-4	0-20ma 1-5V	
	Temperature converter for Pt100	Wire	20-4ma 0-10V	
	- 150°C to 300°C		20-0ma 10-0V	



## Analogue Voltage Current

Part Number		Input	Output	Dimensions
XPC2864150	MINI MCR-SL-UI-UI-NC - MCR	0-5V	0-5V	93 x 6 x 102
	isolating amplifier for electrical	1-5V	1-5V	
	isolation of analog signals,	0-10V	0-10V	
	input/output configurable via DIP	0-20ma	0-20ma	
	switch, 4 Wire 24VDC Supply	4-20ma	4-20ma	
XPC2864422	MINI MCR-SL-RPS-I-I - MCR	0-20ma	0-20ma	93 x 6 x 102
	Analogue Signal Repeater	4-20ma	4-20ma	
XPC2864419	MINI MCR-SL-1CP-I-I - MCR loop-powered	0-20ma	0-20ma	93 x 6 x 102
	isolator, 1-channel, for the electrical	4-20ma	4-20ma	
XPC2864176	MINI MCR-SL-UI-21-N/C	0-20a	0-20ma	93 x 6 x 102
	Configurable Input and output Signal	4-20ma	4-20ma	
	Duplicator - One In - Two signals Out	0-10V		
	24VDC Supply	1-5V		



## DC Converters - Current Transformers - Frequency Transducers

### Mini DC/DC Converters

Part Number		
XPC2866284	MINI-PS-12-24DC/24DC/1	DC-DC converter, primary switched mode, slimline design, input: 12 -24 V DC, output: 24 V DC / 1 Amp.
XPC2320018	MINI-PS-12-24DC/5-15DC/2	DC/DC converter, primary-switched, slim design, input: 12 - 24 V DC, output: 5 - 15 V DC/2 A
XPC2320021	MINI-PS-12-24DC/48DC/0.7	DC/DC converter, primary-switched, slim design, input: 12 - 24 V DC, output: 48 V DC/0.7 Amps.
XPC2866271	MINI-PS-48-60DC/24DC/1	DC-DC converter, primary switched mode, slimline design, input: 48 -60 V DC, output: 24 V DC / 1 Amp.



## Current Transformers Split Design

### Mini DC/DC Converters

#### Part Number

XPC2813486	MCR-SL-S-100-I-LP	MCR current measuring transducer, for measuring sinusoidal and nonsinusoidal alternating currents, input current 0...100 A (0...50/75/100 A), loop-powered output with 4...20 mA
XPC2813499	MCR-SL-S-200-I-LP	MCR current measuring transducer, for measuring sinusoidal and nonsinusoidal alternating currents, input current 0...200 A (0...100/150/200 A), loop-powered output with 4...20 mA



## Frequency Converter

### Mini DC/DC Converters

#### Part Number

XPC2902056	MCR-F-UI-DC	MCR frequency measuring transducer, programmable, for converting frequencies into analog signals, with 3-way isolation and configurable output Voltage & Current.
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## Frequency Transducer

#### Part Number

XPC2864082	MCR-SL-UI-F	Analog frequency transducer for converting analog standard signals into frequency signals or PWM signals, configurable via DIP switch, with screw connection
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## Digital - Namur Sensor Isolation Barriers

Phoenix

Part Number		Hazardous Area Signal	No . Channels in safe area & signal type	supply Voltage
XPC2865450	MACX MCR-EX-SL-NAM-2RO Ex i NAMUR isolating amplifier For operating proximity sensors and switches in Ex areas. The signals are transmitted via 2 relay outputs (N/O contact) to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Single 8VDC Namur Prox Or Contact Input	Single 2 N/O Relay Output	24VDC
XPC2865463	MACX MCR-EX-SL-NAM-2T Ex i NAMUR isolating amplifier For operating proximity sensors and switches in Ex areas. The signals are transmitted via 2 transistor outputs (passive) to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Single 8VDC Namur Prox Or Contact Input	Single 2 N/O Transistor Output	24VDC
XPC2865476	MACX MCR-EX-SL-2NAM-RO Ex-i NAMUR isolating amplifier, 2-channel. For operating proximity sensors and switches in Ex areas. The signals are transmitted via relay output (N/O contact) per channel to the safe area. Line fault detection (LFD), 3-way	Dual 2 x 8VDC Namur Prox or 2 x Contact Input	Dual 2 N/O Transistor Independent Control Output	24VDC
XPC2865489	MACX MCR-EX-SL-2NAM-T Ex-i NAMUR isolating amplifier, 2-channel. For operating proximity sensors and switches in Ex areas. The signals are transmitted via transistor output (passive) per channel to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Dual 2 x 8VDC Namur Prox or 2 x Contact Input	Dual 2 N/O Transistor Independent Control Output	24VDC



## Solenoid Driver Isolation Barriers

Phoenix

Part Number		Input	Output	Dimensions
XPC2865609	MACX MCR-EX-SL-SD-24-48-LP Ex-i solenoid driver. For controlling Ex-i solenoid valves, alarm modules or LEDs installed in Ex areas. Current limitation at 48 mA. For gases up to Group II C, loop-powered, electrical isolation, SIL 3.48mA output @ 10.5V	10.5VDC @ 25ma Output	Single 20-30VDC Input	24VDC
XPC2865515	MACX MCR-EX-SL-SD-21-60-LP Ex-i solenoid driver For controlling Ex-i solenoid valves, alarm modules or LEDs installed in Ex areas. Current limitation at 58 mA. For gases up to Group II B, loop-powered, electrical isolation, SIL 3.	12.95VDC @ 58ma Output	Single 20-30VDC Input	24VDC





## Analogue Isolation Barriers

### Phoenix

Part Number		Input	Output	Dimensions
XPC2865340	MACX MCR-EX-SL-RPSSI-I Ex-i repeater power supply and input isolation amplifier, HART. Sends fed or active 0/4-20 mA signals (2), from the Ex area to a load (active or passive) to the safe area. Electrical 3-way isolation, SIL 2 in accordance with IEC 61508.	Single Analogue 0-20ma 4-20ma	Single 0-20ma 4-20ma Output	24VDC
XPC2865366	MACX MCR-EX-SL-RPSSI-2I Measuring transducer power supply and input isolating amplifier, HART-transparent. Transfers supplied or active 0/4-20 mA signals from the Ex area galv. isolated to two loads in the safe area. Galvanic 4-way isolation, SIL 2 according to IEC 61508, screw connection	Single Analogue Input 0-20ma 4-20ma	Dual 0-20ma 4-20ma Output	24VDC
XPC2865405	MACX MCR-EX-SL-IDSI-I Ex-i output isolating amplifier, HART Isolates and sends intrinsically safe 0/4-20 mA signals to a load (I/P converters, control valves, displays) in Ex areas. Electrical 3-way isolation, wire break recognition, SIL 2 in accordance with IEC 61508.	Single Analogue Output 0-20ma 4-20ma	Single 0-2ma 4-20ma Input	24VDC



## Temperature Isolation Barriers

### Phoenix

Part Number		Input	Output	Dimensions
XPC2865654	MACX MCR-EX-T-UI-UP Freely programmable Ex-i temperature transducer with analog output and 1 limit value relay, standard configuration, resistance thermometer in 2-, 3-, or 4-wire technology, thermocouples, galvanic isolation, wide-range power supply, screw connection, SIL 2	Single Input T.Couple RTD M.Volt	Single 4-20ma and I N/O Relay Output	24VDC
XPC2865573	Ex-i temperature measuring transducer: Converts signals from resistance thermometers installed in Ex areas and transmits a 0/4-20 mA signal to a load in the safe area. Freely programmable, 3-way isolation, SIL2	Single Input RTD	Single 0-2ma 4-20ma Output	24VDC
XPC2865586	MACX MCR-EX-SL-TC-I-NC Ex-i temperature measuring transducer: Converts signals from thermocouples installed in Ex areas and mV sources and transmits a 0/4-20 mA signal to a load in a safe area. Freely programmable, 3-way isolation, SIL2	Single Input T.Couple M.Volt 20-80MV	Single 0-2ma 4-20ma Output	24VDC



*All models listed are IECEx certified which is accepted in all above ground industries in Australia as well as for underground coal mines in NSW, but not in QLD*

## Unmanaged Switches Din Rail Mount

Part Number		Supply
XPC2891001	FL Switch SFNB 5TX Ethernet Switch	24VDC
XPC2891002	FL Switch SFNB 8TX Ethernet Switch	24VDC
XPC2891027	FL Switch SFNB 4TX/FX Ethernet Switch	24VDC
XPC2891933	FL Switch SFNNB16TX Ethernet Switch	24VDC



## Managed Switches Din Rail Mount Rack Mount

Part Number		Supply
XPC2702324	Industrial Ethernet Switch FL8	24VDC
XPC2702903	Industrial Ethernet Switch FL16	24VDC
XPC2891072	Rack Mount Managed Ethernet T Switch FL48 24 Port	24VDC
XPC2891076	Modular Power Supply for FL48 Managed Switches	24VDC



## Network Cables

### Cat 5E Patch Leads

Part Number	
CAPL5EBL0.5	BLUE PATCH LEAD CAT 5E RJ45 500MM
CAPL5EBL1	BLUE PATCH LEAD CAT 5E RJ45 1 METRE
CAPL5EBL2	BLUE PATCH LEAD CAT 5E RJ45 2 METRES
CAPL5EBL5	BLUE PATCH LEAD CAT 5E RJ45 5 METRES
CAPL5EBL10	BLUE PATCH LEAD CAT 5E RJ45 10 METRES
CAPL5EBL15	BLUE PATCH LEAD CAT 5E RJ45 15 METRES
CAPL5EBL20	BLUE PATCH LEAD CAT 5E RJ45 20 METRES



## UT Screw Terminals

### UT Single Level - Feed Through Terminal

Part Number		Size	Amps
XPC3044076	UT 2.5 Terminal	0.14-2.5mm	32A
XPC3044102	UT 4 Terminal	0.14-4mm	41A
XPC3044131	UT 6 Terminal	0.25-6mm	57A
XPC3044160	UT 10 Terminal	0.5-10mm	76A
XPC3047028	D-UT 2.5/10 End Cover for 2.5/4/6/10mm		
XPC3047167	ATP-UT Partition Plate for 2.5/4/6/10mm		
XPC3044199	UT 16 Terminal	1-16mm	101A
XPC3047206	D-UT16 End Cover		
XPC3044225	UT 35 Terminal (no end cover required)	1.5-35mm	150A



### UT Double Level - Feed Through Terminals

Part Number		Size	Amps
XPC3044636	UTTB 2.5 Terminal, 1 in/1 out x 2	0.14-2.5mm	28A
XPC3044814	UTTB 4 Terminal, 1 in/1 out x 2	0.14-4mm	36A
XPC3047293	D-UTTB 2.5/4 End Plate for 2.5/4mm		
XPC 3047316	ATP-UTTB 2.5/4 Partition for 2.5/4mm		



### UT Triple Level - Feed Through Terminals

Part Number		Size	Amps
XPC3214259	UT 2.5-3L Terminal, 1 in/1 out x 3	0.14-2.5mm	24A
XPC3214314	D-UT 2.5-6L End Cover for 2.5mm		
XPC3003046	TP-UK Partition for 2.5mm		



### UT Single Level - Earth Terminals

Part Number		Size
XPC3044092	UT 2.5 - PE	0.14-2.5mm
XPC3044128	UT 4 - PE	0.14-4mm
XPC3044157	UT 6 - PE	0.25-6mm
XPC3044173	UT 10 - PE	0.5-10mm
XPC3044212	UT 16 - PE	1-16mm
XPC3044241	UT 35 - PE	1.5-35mm



\* NOTE: END PLATES AND PARTITIONS SAME AS UT TERMINALS

### UT Fuse Terminal

Part Number		Size	Amps
XPC3046032	UT 4 - HESI (5X20)	0.14-4mm	6.3A
XPC3046090	UT 4 - HESILED 24 (5X20) c/w LED to suit 12-30V AC/DC	0.14-4mm	6.3A



## PT Push in Connection Terminals

### 2.5<sup>2</sup>mm Feed Thru Terminal Block - Push in

#### Part Number

XPC3209510	PT 2.5	2.5mm Single Terminal
XPC3030417	D-ST 2.5	2.5 end plate
XPC3030721	ATP-ST-4	2.5 Partition plate
XPC3030213	FSB 10-5	2.5 10 Way Bridge Bar



### 2.5<sup>2</sup>mm Quattro Feed Thru Terminal Block - Push in

#### Part Number

XPC3209578	PT 2.5 QUATTRO	2.5mm two in two out
XPC3030514	D-ST 2.5 QUATTRO	2.5 end plate
XPC3030815	ATP-ST-QUATTRO	2.5 Partition plate
XPC3030213	FBS 10-5 QUATTRO	2.5 10 Way Bridge Bar



### 2.5<sup>2</sup>mm Earth Terminals - Push in

#### Part Number

XPC3209536	PT 2.5-PE	2.5mm earth terminal
XPC3030417	D-ST 2.5	2.5 end plate
XPC3030721	ATP-ST-4	2.5 Partition plate
XPC0800886	EUK	End Clamp



### 4<sup>2</sup>mm Feed Through Terminal Block - Push in

#### Part Number

XPC3211757	PT4	4mm Single Terminal
XPC3030420	DST4	4 End Plate
XPC3030721	ATD-ST4	4 Partition Plate



### 4<sup>2</sup>mm Quattro Feed Through Terminal Block - Push in

#### Part Number

XPC3211797	PT 4 QUATTRO	4mm two in two out
XPC3208979	D-PT-4	4 Quattro End Plate
XPC3030815	ATP-ST	4 Quattro Partition Plate



### 4<sup>2</sup>mm Earth Terminals - Push in

#### Part Number

XPC3211766	PT 4-PE	4mm Single Earth Terminal 4mm
XPC3030420	PT 4-PE	End Cover
XPC3030721	PT 4-PE	Partition Plate



### 2.5<sup>2</sup>mm Double Level Terminal Block - Push in Angled

#### Part Number

XPC3209604	PTTBS 2,5	2.5mm Terminal double level push in angled
XPC3038503	D-STTBS 2,5	End Plate - width 2.2mm
XPC3030747	ATP-STTB 4	Partition Plate - 2mm width



## Double Earth Terminal Block

### Part Number

XPC3209620	PTTBS 2,5-PE	2.5mm Double Level Earth Terminal Block Push in angled
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## 2.5mm Three Level Terminal Block

### Part Number

XPC3210499	PT 2,5-3L	2.5mm Three Level Terminal Block
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## PT Fuse Terminal

### Part Number

XPC3211861	PT 4-HESI	Fuse Terminal
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### Part Number

XPC0801733	2MT SLOTTED DIN RAIL NS 35/7.5
XPC0801681	2MT SLOTTED DIN RAIL NS 35/3.5



## End Clamps for NS/35/7.5 Din Rail

### Part Number

XPC0800886	E/NS - END BRACKET WIDTH 9.5MM
XPC3022218	CLIPFIX SNAP ON END CLAMP WITH MARKING OPTION
XPC3022276	CLIPFIX SNAP ON END CLAMP SLIMLINE 5.2MM



## Plug in Bridges to suit UT & PT Terminals

### Part Number

<b>2.5mm Terminals</b>			
XPC3030161	FBS 2-5	2WAY	RED
XPC3030190	FBS 5-5	5 WAY	RED
XPC3030213	FBS 10-5	10WAY	RED
<b>4mm Terminals</b>			
XPC3030336	FBS 2-6	2 WAY	RED
XPC3030349	FBS 5-6	5 WAY	RED
XPC3030271	FBS 10-6	10WAY	RED
<b>6mm Terminals</b>			
XPC3030284	FBS 2-8	2 WAY	RED
XPC3030310	FBS 5-8	5 WAY	RED
XPC3030323	FBS 10-8	10WAY	RED
<b>10mm Terminals</b>			
XPC3005947	FBS 2-10	2 WAY	RED
XPC3005948	FBS 5-10	5 WAY	RED
<b>16mm Terminals</b>			
XPC3005950	FBS 2-12	2 WAY	RED
<b>35mm Terminals</b>			
XPC3005963	FBS 2-16	2 WAY	RED



## UK Style Din Rail Terminals

(Available - will becoming Obsolete)

### Part Number

XPC3001501	UK3N TERMINAL 2.5mm <sup>2</sup>
XPC3003020	END PLATE FOR 2.5,4,6,10
XPC3003224	PARTITION PLATE FOR 2.5,4,6,10,16
XPC2770642	10 WAY FIXED BRIDGE
XPC0800886	END CLAMP DIN RAIL
XPC3004362	UK5N TERMINAL 4mm <sup>2</sup>
XPC3003020	END PLATE FOR 4,6,10
XPC3003224	PARTITION PLATE FOR 2.5,4,6,10,16
XPC0203250	10 WAY FIXED BRIDGE
XPC0800886	END CLAMP DIN RAIL
XPC3004524	UK6N TERMINAL 6mm <sup>2</sup>
XPC3003020	END PLATE FOR 4,6,10
XPC3003224	PARTITION PLATE FOR 2.5,4,6,10,16
XPC0203263	10 WAY FIXED BRIDGE
XPC0800886	END CLAMP DIN RAIL
XPC3005073	UK10N TERMINAL 10mm <sup>2</sup>
XPC3003020	END PLATE FOR 4,6,10
XPC3003224	PARTITION PLATE FOR 2.5,4,6,10,16
XPC0203276	10 WAY FIXED BRIDGE
XPC0800886	END CLAMP DIN RAIL
XPC3006043	UK16N TERMINAL 16mm <sup>2</sup>
XPC3006027	END PLATE FOR UK16N
XPC3003224	PARTITION PLATE FOR 2.5,4,6,10,16
XPC0203454	10 WAY FIXED BRIDGE
XPC0800886	END CLAMP DIN RAIL



## USKLG Style Earth Terminals

### Part Number

XPC3000611	EARTH TERMINAL 2.5mm <sup>2</sup>
XPC0441504	EARTH TERMINAL 4mm <sup>2</sup>
XPC0442079	EARTH TERMINAL 6mm <sup>2</sup>
XPC3003923	EARTH TERMINAL 10mm <sup>2</sup>
XPC0443023	EARTH TERMINAL 16mm <sup>2</sup>



## UK Style Fused Terminals - Din Rail - Takes M205 Fuses

### Part Number

XPC3004100	FUSED TERMINAL NO NEON - FLIP OUT
XPC3004126	FUSED TERMINAL 24VDC WITH NEON - FLIP OUT
XPC3004142	FUSED TERMINAL 250 VAC WITH NEON - FLIP OUT
XPC3118012	FUSED TERMINAL WITH REMOVEABLE FUSE INSERT - UKSUI





## UKK Style 2 & 3 Circuit Terminals

### Din Rail Mount

#### Part Number

XPC2770011	TWO CIRCUIT TERMINAL BLOCK 2.5mm
XPC2774017	TWO CIRCUIT TERMINAL BLOCK 4mm
XPC2715979	THREE CIRCUIT (NO END PLATE NEEDED) - 4MM
XPC2770024	END PLATE - (FOR 2.5MM AND 4MM TWO CIRCUIT)
XPC2770639	10 WAY FIXED BRIDGE FOR 2.5mm
XPC0203250	10 WAY FIXED BRIDGE FOR 4mm - (2 & 3 CIRCUIT)



### Din Rail - NS 35/7.5

#### Part Number

XPC0801733	2MT SLOTTED DIN RAIL NS 35/7.5
XPC0801681	2MT SLOTTED DIN RAIL NS 35/3.5



### End Clamps for NS/35/7.5 Din Rail

#### Part Number

XPC0800886	E/NS - END BRACKET WIDTH 9.5M
XPC3022218	CLIPFIX SNAP ON END CLAMP WITH MARKING OPTION
XPC3022276	CLIPFIX SNAP ON END CLAMP SLIMLINE 5.2MM



## TCP A Thermal Miniature Circuit Breakers

### AC 250VAC/65VDC

#### Part Number

XPC0712107	TCP 0,1A	.1 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712123	TCP 0,25A	.25 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712152	TCP 0,5A	.5 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712194	TCP 1A	1 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712217	TCP 2A	2 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712233	TCP 3A	3 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712259	TCP 4A	5 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712275	TCP 6A	6 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712291	TCP 8A	8 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC0712314	TCP 10A	10 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
XPC3118203	UK 6-FSI/C	SCREWED TERMINAL BLOCK FOR ABOVE .2-6MM <sup>2</sup>



XPC07121

## ZB Numbered Markers to suit UT, PT, ST & UK

#### Part Number

#### Terminal Size

XPC1050017	ZB5 Horizontal Marker for 2.5mm (5mm wide)
XPC1050020	ZB5 Vertical Marker for 2.5mm (5mm wide)
XPC1050016	ZB6 Horizontal Marker for 4mm (6mm wide)
XPC1051029	ZB6 Vertical Marker for 4mm (6mm wide)



**\* Note: to select numbers required i.e XPC1050017 : 0011 for 1-10, 0011 for 11-20 etc**

*\* Custom markers available upon request*

## Legrand Slotted PVC Duct

Part Number	Width x Height	Length
LE636095	15 x 25	2m
LE636100	25 x 25	2m
LE636096	15 X 40	2m
LE636101	25 x 40	2m
LE636105	40 x 25	2m
LE636106	40 x 40	2m
LE636111	60 x 40	2m
LE636108	40 x 80	2m
LE636115	80 x 40	2m
LE636119	100 x 40	2m
LE636102	25 x 60	2m
LE636107	40 x 60	2m
LE636112	60 x 60	2m
LE636116	80 x 60	2m
LE636120	100 x 60	2m
LE636124	120 x 60	2m
LE636103	25 x 80	2m
LE636113	60 x 80	2m
LE636117	80 x 80	2m
LE636121	100 x 80	2m
LE636125	120 x 80	2m
LE636109	40 x 100	2m
LE636114	60 x 100	2m
LE636118	80 x 100	2m
LE636122	100 x 100	2m
LE636123	150 x 100	2m



## Phoenix Slotted PVC Duct

XPC3240187	25 x 25	2m
XPC3240188	25 x 40	2m
XPC3240191	25 x 60	2m
XPC3240197	25 x 80	2m
XPC3240278	30 x 40	2m
XPC3240280	30 x 60	2m
XPC3240282	30 x 80	2m
XPC3240283	30 100	2m
XPC3240189	40 x 40	2m
XPC3240192	40 x 60	2m
XPC3240198	40 x 80	2m
XPC3240294	40 x 100	2m
XPC3240190	60 x 40	2m
XPC3240193	60 x 60	2m
XPC3240199	60 x 80	2m
XPC3240263	60 x 100	2m
XPC3240281	80 x 25	2m
XPC3240335	80 x 40	2m
XPC3240194	80 x 60	2m
XPC3240200	80 x 80	2m
XPC3240264	80 x 100	2m
XPC3240279	100 x 40	2m
XPC3240195	100 x 60	2m
XPC3240201	100 x 80	2m
XPC3240205	100 x 100	2m
XPC3240196	120 x 60	2m
XPC3240202	120 x 80	2m



## V90HT Single Core Flexible Building Wire

### 100Mtr Spool

cross section in mm <sup>2</sup>	red	black	white	blue	brown	grey	orange	violet	pink	green / yellow
0.5	F1-.5RD	F1-.5BK	F1-.5WH	F1-.5BL	F1-.5BR	F1-.5GR	F1-.5OR	F1-.5VI	F1-.5PI	F1-.5GY
0.75	F1-.75RD	F1-.75BK	F1-.7WH	F1-.75BL	F1-.75BR	F1-.75GR	F1-.75OR	F1-.75VI	F1-.75PI	F1-.75GY
1	F1-1RD	F1-1BK	F1-1WH	F1-1BL	F1-1BR	F1-1GR	F1-1OR	F1-1VI	F1-1PI	F1-1GY
1.5	F1-1.5RD	F1-1.5BK	F1-1.5WH	F1-1.5BL	F1-1.5BR	F1-1.5GR	F1-1.5OR	F1-1.5VI	F1-1.5PI	F1-1.5GY
2.5	F1-2.5RD	F1-2.5BK	F1-2.5WH	F1-2.5BL	F1-2.5BR	F1-2.5GR	F1-2.5OR	F1-2.5VI	F1-2.5PI	F1-2.5GY
4	F1-4RD	F1-4BK	F1-4WH	F1-4BL	F1-4BR	F1-4GR	F1-4OR	F1-4VI	F1-4PI	F1-4GY
6	F1-6RD	F1-6BK	F1-6WH	F1-6BL						F1-6GY
10	F1-10RD	F1-10BK	F1-10WH	F1-10BL						F1-10GY

\* Class 5 fine wire stranding, tinned, 105°C PVC insulation \* Nominal Voltage - 600/1000V \* Temperature range - 20° to + 105°C



## VSD Screened Power Cable

### PVC V75 250/440V

Part Number	No. of Cores & mm <sup>2</sup> Per Conductor	Approx. Weight	Approx Overall Diameter mm
VSD4-1	3 core + earth 1mm	130	8.7
VSD3-1.5	2 core + earth 1.5mm	170	10.3
VSD4-1.5	3 core + earth 1.5mm	204	11.3
VSD3-2.5	2 core + earth 2.5mm	211	11.8
VSD4-2.5	3 core + earth 2.5mm	310	13.5
VSD4-4	3 core + earth 4mm	403	15.1
VSD4-6	3 core + earth 6mm	524	16.6

- **Test voltage:** 4000V
- **Nominal voltage :**  
Flexing : ≤ 1.0mm<sup>2</sup> : 300/500V  
≥ 1.5mm<sup>2</sup> : 450/750V  
Fixed : ≥ 1.5mm<sup>2</sup> : 600/1000V
- **Temperature range:**  
Flexing: - 5°C to + 70°C;  
Fixed: -40°C to + 70°C



- **Minimum bending radius:** 93-308)  
Flexing: 20 x cable diameter, yellow/green  
3 core + earth : brown, black, yellow/green, grey

Note: Larger Sizes available

## Muticore PVC numbered Control Cable

PVC V75 250/440V

Part Number	No. of Cores & mm <sup>2</sup> Per Conductor	Approx. Weight	Approx Overall Diameter mm
CC3-0.5	2 core + earth 0.5mm	4.8	35
CC4-0.5	3 core + earth 0.5mm	5.7	54
CC5-0.5	4 core + earth 0.5mm	6.2	63
CC7-0.5	6 core + earth 0.5mm	6.7	81
CC12-0.5	11 core + earth 0.5mm	8.9	131
CC18-0.5	17 core + earth 0.5mm	10.5	188
CC25-0.5	24 core + earth 0.5mm	12.4	261
CC30-0.5	29 core + earth 0.5mm	13.3	304
CC42-0.5	41 core + earth 0.5mm	15.4	400
CC3-.75	2 core + earth 0.75mm	5.7	55
CC4-.75	3 core + earth 0.75mm	6.2	66
CC5-.75	4 core + earth 0.75mm	6.4	79
CC7-.75	6 core + earth 0.75mm	7.3	101
CC12-.75	11 core + earth 0.75mm	9.9	171
CC18-.75	17 core + earth 0.75mm	11.7	244
CC25-.75	24 core + earth 0.75mm	13.8	337
CC34-.75	33 core + earth 0.75mm	15.9	448
CC42-.75	41 core + earth 0.75mm	17.4	538
CC50-.75	49 core + earth 0.75mm	19.2	648
CC3-1	2 core + ear 2 core + earth 1mm	6	65
CC4-1	4 core + ear 4 core + earth 1 mm	7.1	94
CC7-1	6 core + ear 6 core + earth 1mm	8	126
CC12-1	11 core + e: 11 core + earth 1mm	10.5	205
CC18-1	17 core + e: 17 core + earth 1mm	12.7	300
CC25-1	24 core + e: 24 core + earth 1mm	14.7	408
CC34-1	35 core + e: 35 core + earth 1mm	17.4	578
CC50-1	49 core + e: 49 core + earth 1mm	20.6	797



## PVC Industrial Cable Ties

Part Number	Lenth (mm)	Width (mm)	Colour	Pack Quantity
ABTY523MX	91.95	2.29	BLACK	100
ABTY524MX	139.7	3.56	BLACK	100
ABTY525MX	185.67	4.67	BLACK	100
ABTY526MX	284.4	3.71	BLACK	100
ABTY527MX	340	6.9	BLACK	100
ABTY528MX	360.5	4.82	BLACK	100



## Bulk Cable Tie Packs

Part Number	Lenth (mm)	Width (mm)	Colour	Pack Quantity
ABTY24MX	139.7	3.56	BLACK	1000
ABTY25MX	186	4.67	BLACK	1000
ABTY26MX	284.4	3.71	BLACK	1000



## Blue Metal Detectable Cable Ties (Food Industry)

Part Number	Lenth (mm)	Width (mm)	Colour	Pack Quantity
ABTY523M-NDT	92	4	BLUE	100
ABTY525M-NDT	186	4.8	BLUE	100
ABTY528M-NDT	360	4.8	BLUE	100



## Nylon Cable Glands

Part Number	Thread Dia	Min	Max	Length of Thread (mm)	Box Qty
ABNCG-M122B-GN	M12	3	6.5	8	50
ABNCG-M163B-LGN	M16	5	10	10	50
ABNCG-M203B-LGN	M20	10	14	10	25
ABNCG-M253B-GN	M25	13	18	8	20
ABNCG-M323B-GN	M32	18	25	15	10
ABNCG-M403B-GN	M40	22	32	18	4
ABNCG-M502B-GN	M50	30	38	18	2
ABNCG-M632B-GN	M63	34	44	18	2



## Nylon Cable Glands

### Quick Connect Type

Part Number	Thread Dia	Min	Max	Length of Thread (mm)	Box Qty
ABNPG-M161B	M16	5	10	9	10
ABNPG-M202B	M20	7	13	9	10
ABNPG-M251B	M25	11	17	9	10
ABNPG-M321B	M32	15	21	9	10



## Pre Insulated Single Bootlace Ferrules (Loose Packets)

Part Number		Colour	Pack Qty	Conct Size (mm <sup>2</sup> )
XPC3200014	BOOTLACE TERMINAL	WHITE	100	0.5
XPC3200027	BOOTLACE TERMINAL	BLUE	100	0.75
XPC3200030	BOOTLACE TERMINAL	RED	100	1
XPC3200043	BOOTLACE TERMINAL	BLACK	100	1.5
XPC3200069	BOOTLACE TERMINAL	GREY	100	2.5
XPC3200085	BOOTLACE TERMINAL	ORANGE	100	4
XPC3200108	BOOTLACE TERMINAL	GREEN	50	6
XPC3200124	BOOTLACE TERMINAL	BROWN	50	10
XCP3200140	BOOTLACE TERMINAL	IVORY	50	16



## Pre Insulated Twin Bootlace Ferrules

Part Number		Colour	Pack Qty	Conct Size (mm <sup>2</sup> )
XPC3200807	BOOTLACE TERMINAL	GREY	100	2 x 0.75
XPC3200810	BOOTLACE TERMINAL	RED	100	2 x 1.0
XPC3200823	BOOTLACE TERMINAL	BLACK	100	2 x 1.5
XPC3200836	BOOTLACE TERMINAL	BLUE	100	2 x 2.5



## Phoenix Ferrules in Roll Pack

Part Number	Thread Dia
XPC3201369	FERRULES .5M WHITE PACK 1000
XPC3201547	FERRULES .75M BLUE PACK 1000
XPC3201385	FERRULES 1.0M RED PACK 1000
XPC3201398	FERRULES 1.5M BLACK PACK 1000
XPC3201550	FERRULES 2.5M GREY PACK 500

\* Fits all Legrand tools and standard Crimpers





## 3 Pole + E

### Part Number

XPC1585223	HC-A03-I-UT-	3 POLE +E SOCKET INSERT SCREW (FEMALE)
XPC1585210	HC-A03-I-UT-M	3 POLE +E PIN INSERT SCREW (MALE)
XPC1419235	HC-STA-D07-HHFS-1STM20-EL-AL	ZINC HOUSING, LATERAL M20
XPC1419229	HC-STA-D07-HHFS-1TTM20-EL-AL	SLEEVE HOUSING SINGLE LEVER M20
XPC1419249	HC-STA-D07-BWS-EL-AL	PANEL MOUNT BASE SINGLE LEVER
XPC1419252	HC-STA-D07-BAWS-EL-AL	PANEL MOUNT BASE, ANGLED SINGLE LEVER
XPC1419238	HC-STA-D07-CHWS-1TTM20-EL-AL	COUPLING HOUSING, SINGLE LEVER M20



## 6 Pole + E

### Part Number

XPC1648128	HC-B 6-I-UT-F	6 POLE +E SOCKET HOUSING SCREW (FEMALE)
XPC1648115	HC-B 6-I-UT-M	6 POLE +E PIN HOUSING SCREW (MALE)
XPC1412570	HC-STA-B06-HLFS-1TTM20-EL-AL	R/A 6 POLE SINGLE LEVER HOOD M20
XPC1412574	HC-STA-B06-HLFS-1STM20-EL-AL	STRAIGHT 6 POLE SINGLE LEVER HOOD M20
XPC1411318	HC-STA-B06-BWS-ELC-AL	6 POLE PANEL MOUNT BASE, SINGLE LOCK LEVER
XPC1412821	C-STA-B06-SLWS-2SSM20-ELC-AL	6 POLE PANEL MOUNT BASE, 2 X M20 SINGLE LOCK LEVER



## 10 Pole + E

### Part Number

XPC1648186	HC-B 10-I-UT-F	10 POLE +E SOCKET INSERT SCREW (FEMALE)
XPC1648173	HC-B 10-I-UT-M	10 POLE +E PIN INSERT SCREW (MALE)
XPC1460253	HC-STA-B10-HLFD-1STM20-EL-AL	R/A 10 POLE DOUBLE LOCK HOOD M20
XPC1412620	HC-STA-B10-HLFD-1TTM20-EL-AL	STRAIGHT 10 POLE DOUBLE LOCK HOOD M20
XPC1411322	HC-STA-B10-BWD-ELC-AL	10 POLE PANEL MOUNT BASE, 2 X M20 WITH DBL LOCK LEVERS
XPC1412835	HC-STA-B10-SLWD-2SSM20-ELC-AL	10 POLE BOX MOUNT BASE, WITH DBL LOCK LEVERS



## 16 Pole + E

### Part Number

XPC1648241	HC-B 16-I-UT-F	16 POLE +E SOCKET INSERT SCREW (FEMALE)
XPC1648238	HC-B 16-I-UT-M	16 POLE +E PIN INSERT SCREW (MALE)
XPC1412717	HC-STA-B16-HLFD-1STM25-EL-AL	R/A 16 POLE DOUBLE LOCK HOOD M25
XPC1412721	HC-STA-B16-HLFD-1TTM25-EL-AL	STRAIGHT 16 POLE DOUBLE LOCK HOOD M25
XPC1411327	HC-STA-B16-BWD-ELC-AL	16 POLE PANEL MOUNT BASE, WITH DBL LOCK LEVERS
XPC1412855	HC-STA-B16-SLWD-2SSM25-ELC-AL	16 POLE BOX MOUNT BASE, 2 X M25 WITH DBL LOCK LEVERS



## 24 Pole + E

### Part Number

XPC1648306	HC-B 24-I-UT-F	24 POLE +E SOCKET INSERT SCREW (FEMALE)
XPC1648296	HC-B 24-I-UT-M	24 POLE +E PIN INSERT SCREW (MALE)
XPC1412773	HC-STA-B24-HLFD-1STM25-EL-AL	R/A 24 POLE DOUBLE LOCK HOOD M25
XPC1412778	HC-STA-B24-HLFD-1TTM25-EL-AL	STRAIGHT 24 POLE DOUBLE LOCK HOOD M25
XPC1411331	HC-STA-B24-BWD-ELC-AL	24 POLE PANEL MOUNT BASE, WITH DBL LOCK LEVERS
XPC1412873	HC-STA-B24-SLWD-2SSM25-ELC-AL	24 POLE BOX MOUNT BASE, 2 X M25 WITH DBL LOCK LEVERS



## 32 Pole + E

### Part Number

XPC1645150	HC-B 32-TFQ-80/O1STM32S	R/A 32 POLE DOUBLE LOCK HOOD M32
XPC1645383	HC-B 32-TFQ-80/O1STM32G	STRAIGHT 32 POLE DOUBLE LOCK HOOD M32
XPC1775693	HC-B 32-AMQ	32 POLE PANEL MOUNT BASE, WITH DBL LOCK LEVERS
XPC1604867	HC-B 32 SMQ-72/01M32	32 POLE BOX MOUNT BASE 1 X M32 WITH DBL LOCK LEVER

FOR INSERTS USE 2 X 16P + E



## Werma 72mm Perment Elements BA15

12 240V IP65

### Part Number

BLW64110900	Tower light, Kombisign71, permanent, Red, 12-240V. IP65 (requires bulb)
BLW64120900	Tower light, Kombisign71, permanent, Green, 12-240V. IP65 (requires bulb)
BLW64130900	Tower light, Kombisign71, permanent, Amber, 12-240V. IP65 (requires bulb)
BLW64140900	Tower light, Kombisign71, permanent, Clear, 12-240V. IP65 (requires bulb)
BLW64150900	Tower light, Kombisign71, permanent, Blue, 12-240V. IP65 (requires bulb)



## Werma 72mm Xenon Flashing Strobes

24VDC IP65

### Part Number

BLW64310955	Tower light, Kombisign71, Xenon flashing, Red, 24VDC. IP65
BLW64330955	Tower light, Kombisign71, Xenon flashing, Amber, 24VDC. IP65
BLW64350955	Tower light, Kombisign71, Xenon flashing, Blue, 24VDC. IP65



## Werma 72mm Multitone Sounders & Buzzers

24VAC/DC - 240VAC

### Part Number

BLW64582975	Tower light. Kombisign71, Multi-tone sounder, 8 tone, 100dB (at 1M) IP65, 24VAC/DC
BLW64580975	Tower light. Kombisign71, Buzzer, continuous or pulse tone, 85dB (at 1M) IP65, 24VAC/DC
BLW64582968	Tower light. Kombisign71, Multi-tone sounder, 8 tone, 100dB (at 1M) IP65, 240VAC



## Werma Mounting Accessories

For 72mm Beacons & Tower lights

### Part Number

BLW64082900	Tower light, Kombisign71, terminal element and cap to suit base mount or wall mount, screw terminals
BLW64083900	Tower light, Kombisign71, terminal element and cap to suit tube mount, screw terminals
BLW97584911	Base with integrated tube 110mm to suit KombiSign70,71
BLW96000902	Wall bracket for base mount, KombiSign 50,70,71
BLW97584925	Aluminium Tube 250mm
BLW97584991	Base for Aluminium Tube



## Werma Multitone Sounders

9-28VDC - 110-240VAC Base Mount IP65

### Part Number

BLW14015050	Multi-tone sounder, electronic, 32 tone, wall mount, 115dB (at 1M) IP65, 9-28VDC RED
BLW14015060	Multi-tone sounder, electronic, 32 tone, wall mount, 115dB (at 1M) IP65, 110 - 240V AC, RED -40°C...+70°C



## Multitone Sounders & Beacons

### Part Number

SPCOMB24R	LED Flashing Beacon Electronic Multitone Siren, 24VDC, 91-111dB (Red)
SPCOMB24A	LED Flashing Beacon Electronic Multitone Siren, 24VDC, 91-111 dB (Amber)



## Autonics Buzzers

### Part Number

AUB2NB-B1D	Eco Range Buzzer - 22.5mm, 28mm Head - 12/24VDC, 75dB
ABCB1-620B	Buzzer 22.5mm Head, 24V AC/DC, 85dB
ABCB1-623B	Buzzer 22.5mm Head, 240VAC/DC, 85dB



## PAFS Nylon Conduit Contractor Pack

### Part Number

ABCP-AT21-BLY	PAFS M20 Contractor Pack
ABCP-AT28-BLY	PAFS M25 Contractor Pack

\* Includes 10 metres STD Nylon PAFS Conduit Plus 10 straight AT fittings



## Nylon Conduit

### Type PAFS

### Part Number

ABPAFS16/BL/25M	BL PAFS CONDUIT 11.8MM* 25M ROLL
ABPAFS21/BL/25M	BL PAFS CONDUIT 16.5MM* 25M ROLL
ABPAFS28/BL/25M	BL PAFS CONDUIT 22.6MM* 25M ROLL
ABPAFS34/BL/10M	BL PAFS CONDUIT 28.8MM* 10M ROLL
ABPACS42/BL/10M	BL PAFS CONDUIT 35M.2M* 35M ROLL

\* Note - Conduit Internal Diameter \*



## AT Fittings to suit PAFS Conduit

### Part Number

ABAT16/M16/A/BLY	BL IP66 M16 FOR PAFS
ABAT16/M16/C90/BLY	BL IP66 M16 FOR PAFS
ABAT21/M20/A/BLY	BL IP66 M20 FOR PAFS
ABAT21/M20/C90/BLY	BL IP66 M20 FOR PAFS
ABAT28/M25/A/BLY	BL IP66 M25 FOR PAFS
ABAT28/M25/C90/BLY	BL IP66 M25 FOR PAFS
ABAT34/M32/A/BLY	BL IP66 M28 FOR PAFS
ABAT42/M40/A/BLY	BL IP66 M35 FOR PAFS

\* Note - Conduit Internal Diameter \*



## PAFS Nylon Conduit Clips

### Part Number

ABACB16	AC 16MM CONDUIT CLIPS
ABACB21	AC 20MM CONDUIT CLIPS
ABACB28	AC 25MM CONDUIT CLIPS



## Rhino Flex Smooth PVC Conduit (Food & Wash Down)

### Part Number

ABRF16/OR/30M	ORANGE SMOOTH PVC 16MM 30M ROLL
ABRF20/OR/30M	ORANGE SMOOTH PVC 20MM 30M ROLL
ABRF25/OR/30M	ORANGE SMOOTH PVC 25MM 30M ROLL
ABRF16/GN/30M	GREEN SMOOTH PVC 16MM 30M ROLL
ABRF20/GN/30M	GREEN SMOOTH PVC 20MM 30M ROLL
ABRF25/GN/30M	GREEN SMOOTH PVC 25MM 30M ROLL

\* Sold by Roll \*



## PVC Fittings to suit Rhino Flex Conduit

### Part Number

ABRF16/M16/A/BL	BL IP66 M16 STRAIGHT FITTING
ABRF20/M20/A/BL	BL IP66 M20 STRAIGHT FITTING
ABRF25/M25/A/BL	BL IP66 M25 STRAIGHT FITTING
ABRF16/M16/C90/BL	BL IP66 M16 90 DEG FITTING
ABRF20/M20/C90/BL	BL IP66 M20 90 DEG FITTING
ABRF25/M25/C90/BL	BL IP66 M25 90 DEG FITTING



## Metallic Conduit with ribbed PVC Coating

### Type SP

### Part Number

ABSP16/BL/10M	BL PVC STEEL COND 16MM 10M ROLL
ABSP16/BL/25M	BL PVC STEEL COND 16MM 25M ROLL
ABSP20/BL/10M	BL PVC STEEL COND 20MM 10M ROLL
ABSP20/BL/25M	BL PVC STEEL COND 20MM 25M ROLL
ABSP25/BL/10M	BL PVC STEEL COND 25MM 10M ROLL
ABSP25/BL/25M	BL PVC STEEL COND 25MM 25M ROLL

\* Sold by the Roll \* - Orange available - insert OR eg. ADSP16/OR/25M



## Fittings to suit SP ribbed Conduit

### Part Number

### SWIVEL/FIXED FITTINGS

ABSP16/M16/A	FIXED M16 FITTING, STRAIGHT
ABSP16/M16/C90	FIXED M16 FITTING, ANGLE
ABSP20/M20/A	FIXED M20 FITTING, STRAIGHT
ABSP20/M20/C90	FIXED M20 FITTING, ANGLE
ABSP25/M25/A	FIXED M25 FITTING, STRAIGHT
ABSP25/M25/C90	FIXED M25 FITTING, ANGLE

### SWIVEL FITTINGS

ABSP20/M20/B	SWIVEL M20 FITTING FOR SP
ABSP25/M25/B	SWIVEL M25 FITTING FOR SP



## Metallic Conduit with Smooth PVC Coating

### Type SPL - Black

### Part Number

ABSPL16/10M	BL PVC STEEL COND 16MM 10M ROLL
ABSPL16/25M	BL PVC STEEL COND 16MM 25M ROLL
ABSPL20/10M	BL PVC STEEL COND 20MM 10M ROLL
ABSPL20/25M	BL PVC STEEL COND 20MM 25M ROLL
ABSPL25/10M	BL PVC STEEL COND 25MM 10M ROLL
ABSPL25/25M	BL PVC STEEL COND 25MM 25M ROLL
ABSPL32/10M	BL PVC STEEL COND 32MM 10M ROLL

\* Sold by the Roll \*



## Metallic Conduit with Smooth PVC Coating

Type SPL - Orange

### Part Number

ABSPL16/OR/25M	ORANGE PVC STEEL COND 16MM 25M
ABSPL20/OR/25M	ORANGE PVC STEEL COND 20MM 25M
ABSPL25/OR/25M	ORANGE PVC STEEL COND 25MM 25M
ABSPL32/OR/25M	ORANGE PVC STEEL COND 32MM 25M

\* Sold by the Roll \*



## Fittings to Suit SPL Metal Conduit

### Part Number

#### SWIVEL/FIXED FITTINGS

ABSPL16/M16/M	SWIVEL/FIXED M16 FITTING, STRAIGHT
ABSPL16/M16/C90	SWIVEL/FIXED M16 FITTING, ANGLE
ABSPL20/M20/M	SWIVEL/FIXED M20 FITTING, STRAIGHT
ABSPL20/M20/C90	SWIVEL/FIXED M20 FITTING, ANGLE
ABSPL25/M25/M	SWIVEL/FIXED M25 FITTING, STRAIGHT
ABSPL25/M25/C90	SWIVEL/FIXED M25 FITTING, ANGLE
ABSPL32/M32/M	SWIVEL/FIXED M32 FITTING, STRAIGHT

#### SWIVEL FITTINGS

ABSPL20/M20/B	SWIVEL M20 FITTING FOR SPL
ABSPL25/M25/B	SWIVEL M25 FITTING FOR SPL



## Metal Locknuts

### Part Number

ABLN/M16	METAL 16MM LOCK NUTS
ABLN/M20	METAL 20MM LOCK NUTS
ABLN/M25	METAL 25MM LOCK NUTS
ABLN/M32	METAL 32MM LOCK NUTS





## Combination Switch Socket Outlet

### Part Number

IPW66SS310	3 PIN 10A Combination switched socket
IPW66SS315	3 PIN 15A Combination switched socket
IPW66SS410	4 PIN 10A Combination switched socket
IPW66SS420	4 PIN 20A Combination switched socket
IPW66SS432	4 PIN 32A Combination switched socket
IPW66SS440	4 PIN 40A Combination switched socket
IPW66SS450	4 PIN 50A Combination switched socket
IPW66SS510	5 PIN 10A Combination switched socket
IPW66SS520	5 PIN 20A Combination switched socket
IPW66SS532	5 PIN 32A Combination switched socket
IPW66SS540	5 PIN 40A Combination switched socket
IPW66SS550	5 PIN 50A Combination switched socket



## Combination Switch Socket Outlet

### Part Number

IPW66US310RC	3 PIN 10A Combination RCD Protected
IPW66US315RC	3 PIN 15A Combination RCD Protected
IPW66US410RC	4 PIN 10A Combination RCD Protected
IPW66US420RC	4 PIN 20A Combination RCD Protected
IPW66US510RC	5 PIN 10A Combination RCD Protected
IPW66US520RC	5 PIN 20A Combination RCD Protected
IPW66US532RC	5 PIN 32A Combination RCD Protected



## Combination Switch Socket RCD Protected

### Part Number

IPW66SS310RC	3 PIN 10A Combination switched socket RCD Protected - 4 Mod Square
IPW66SS315RC	3 PIN 15A Combination switched socket RCD Protected - 4 Mod Square
IPW66SS410RC	4 PIN 10A Combination switched socket RCD Protected - 4 Mod Square
IPW66SS420RC	4 PIN 20A Combination switched socket RCD Protected - 4 Mod Square
IPW66SS510RC	5 PIN 10A Combination switched socket RCD Protected - 4 Mod Square
IPW66SS520RC	5 PIN 20A Combination switched socket RCD Protected - 4 Mod Square
IPW66SS532RC	5 PIN 32A Combination switched socket RCD Protected - 4 Mod Square
<i>*Higher AMPs available upon request</i>	



## Isolating Switch

### Part Number

IPW66IS220	2 Pole 20 A Switch (switch C/W 1 gang base )
IPW66IS332	3 Pole 32 A Switch (switch C/W 1 gang base )
IPW66IS363	3 Pole 63 A Switch (switch C/W 1 gang base )



## Unswitched Socket Outlet

### Part Number

IPW66US310	3 PIN 10 A Socket (Socket C/W 1Gang Base)
IPW66US315	3 PIN 15 A Socket (Socket C/W 1Gang Base)
IPW66US410	4 PIN 10 A Socket (Socket C/W 1 Gang Base)
IPW66US420	4 PIN 20 A Socket (Socket C/W 1Gang Base)
IPW66US432	4 PIN 32 A Socket (Socket C/W 1Gang Base)
IPW66US440	4 PIN 40 A Socket (Socket C/W 1Gang Base)
IPW66US510	5 PIN 10 A Socket (Socket C/W 1 Gang Base)
IPW66US520	5 PIN 20 A Socket (Socket C/W 1Gang Base)
IPW66US532	5 PIN 32 A Socket (Socket C/W 1Gang Base)
IPW66US540	5 PIN 40 A Socket (Socket C/W 1Gang Base)



# W66 IP66 Industrial Switchgear

## Single Phase Appliance Inlets

Flat & Round Pin

### Part Number

IPW66AI310	Single Phase Appliance Inlet 10amp 3 pin Flat
IPW66AI315	Single Phase Appliance Inlet 15amp 3 pin Flat



## Three Phase Appliance Inlet

Round Pin

### Part Number

IPW66AI410	10amp 4 Pin Appliance Inlet Round Pin
IPW66AI420	20amp 4 Pin Appliance Inlet Round Pin
IPW66AI432	32amp 4 Pin Appliance Inlet Round Pin
IPW66AI440	40amp 4 Pin Appliance Inlet Round Pin
IPW66AI450	50amp 4 Pin Appliance Inlet Round Pin
IPW66AI510	10amp 5 Pin Appliance Inlet Round Pin
IPW66AI520	20amp 5 Pin Appliance Inlet Round Pin
IPW66AI532	32amp 5 Pin Appliance Inlet Round Pin
IPW66AI540	40amp 5 Pin Appliance Inlet Round Pin
IPW66AI550	50amp 5 Pin Appliance Inlet Round Pin



## Straight Plug Tops

### Part Number

IPW66SP310	3 PIN 10 A P/Top Male
IPW66SP315	3 PIN 15 A P/Top Male
IPW66SP410	4 PIN 10 A P/Top Male
IPW66SP420	4 PIN 20 A P/Top Male
IPW66SP432	4 PIN 32 A P/Top Male
IPW66SP440	4 PIN 40 A P/Top Male
IPW66SP450	4 PIN 50 A P/Top Male
IPW66SP510	5 PIN 10 A P/Top Male
IPW66SP520	5 PIN 20 A P/Top Male
IPW66SP532	5 PIN 32 A P/Top Male
IPW66SP540	5 PIN 40 A P/Top Male
IPW66SP550	5 PIN 50 A P/Top Male



## Angled Plug Tops

### Part Number

IPW66AP410	4 PIN 10 A P/Top Angled
IPW66AP420	4 PIN 20 A P/Top Angled
IPW66AP432	4 PIN 32 A P/Top Angled
IPW66AP440	4 PIN 40 A P/Top Angled
IPW66AP450	4 PIN 50 A P/Top Angled
IPW66AP510	5 PIN 10 A P/Top Angled
IPW66AP520	5 PIN 20 A P/Top Angled
IPW66AP532	5 PIN 32 A P/Top Angled
IPW66AP540	5 PIN 40 A P/Top Angled
IPW66AP550	5 PIN 50 A P/Top Angled



## Cord Extension Socket

### Part Number

IPW66ES310	3 PIN 10A P/Top Female
IPW66ES315	3 PIN 15A P/Top Female
IPW66ES410	4 PIN 10 A P/Top Female
IPW66ES420	4 PIN 20 A P/Top Female
IPW66ES432	4 PIN 32 A P/Top Female
IPW66ES510	5 PIN 10 A P/Top Female
IPW66ES520	5 PIN 20 A P/Top Female
IPW66ES532	5 PIN 32 A P/Top Female



## Weatherproof Switch - RF Series

### Part Number

IPIPW201	1 Pole 20A Isolation switch
IPIPW351	1 Pole 35A Isolation switch
IPIPW631	1 Pole 63A Isolation switch
IPIPW203	3 Pole 20A Isolation switch
IPIPW353	3 Pole 35A Isolation switch
IPIPW633	3 Pole 63A Isolation switch
IPIPW204	4 Pole 20A Isolation switch



## Part Number

## Part Number

Part Number

## Reflex Photoelectric Sensors

### Part Number

SI1042065	WL4S-3F2130 REF.PHOTOELEC.SWITCH	0-4m, 10...30VDC, PNP, M8, 3 Pin, Dark, Plastic
SI1054715	WL4S-3P2432V REF.PHOTOELEC.SWITCH	0-5m, 10...30VDC, PNP, M12, 4 Pin, Light/Dark, S/Steel
SI1049063	WL9-3P2432 REF.PHOTOELEC.SWITCH	0-5m, 10...30VDC, PNP, M12, 4 Pin, Light/Dark, Plastic
SI1041436	WL12-3P2431 REF.PHOTOELEC.SWITCH	0-7m, 10...30VDC, PNP, M12, 4 Pin, Light/Dark, Metal
SI6033182	WL8-P2231 RETRO-REFL. SENSOR	0-4m, 10...30VDC, PNP, M8, 4 Pin, Light/Dark, Plastic
SI1071743	HL18-P4A3BA REF.PHOTOELEC.SWITCH	Hybrid, M18 nose, .03...6.5m, 10...30VDC, PNP, Light/Dark, Plastic
SI6020767	WL260-S270 RETRO-REFL. SENSOR	01-15m, 12...240 AC/DC, C/O Contacts, 3A, Cable Gland, Plastic
SI1218660	WLA16P-24162100A00 REF.PHOTOELEC.SWITCH	0-10m, 10...30VDC, PNP, NPP, Push Pull, M12, 4 pin, Light/Dark, Plastic
SI6041819	VL180-2P42431 RETRO-REFL. SENSOR	Cylindrical, M18, .05-7m, 10...30VDC, PNP, M12, 4 Pin, Light/Dark, Metal
SI1085706	GRL18S-P2431V REF.PHOTOELEC.SWITCH	Cylindrical, M18, .03-7.3m, 10...30VDC, PNP, M12, 4 Pin, Light/Dark, S/Steel
SI1049083	WL9G-3P2432 REF.PHOTOELEC.SWITCH, TRANSP	0-5m, 10...30VDC, PNP, M12, 4 Pin, Light/Dark, Plastic
SI1218661	WLG16P-24162120A00 REF.PHOTOELEC.SW, TRANSP	0-5m, 10...30VDC, PNP, NPN, Push Pull, M12, 4 pin, Light/Dark, Plastic



## Diffuse & Background Suppression

### Part Number

SI1054675	WTB4S-3P2462V PHOTOE.PROX.SWITCH	4-500mm, 10...30VDC, PNP, M12, 4pin, Light/Dark, S/Steel
SI1052172	WTB9-3P2411S14 PHOTOE.PROX.SWITCH	20-800mm, 10...30VDC, PNP, M12, 4 pin, Light/Dark, Plastic
SI1025896	WT18-3P430 PHOTOE.PROX.SWITCH	10-600mm, 10...30VDC, PNP, M12, 4pin, Light/Dark, Plastic
SI1218663	WTS16P-24161120A00 PHOTOE.PROX.SWITCH	10-750mm, 10...30VDC, PNP, NPN, Push/Pull, M12, 4 pin, Light/Dark, Plastic
SI1085742	GRTB18S-P2412V PHOTOE.PROX.SWITCH	Cylindrical, M18, 3-300mm, 10...30VDC, PNP, M12, 4 pin, Light/Dark, S/Steel
SI1073431	HTB18-P4A2BB PROX.PHOTOELEC.SWITCH	Hybrid, M18 Nose, 5-300mm, 10...30VDC, PNP, M12, 4 pin, Light/Dark, Plastic



## Through Beam

### Part Number

SI6020974	WS/WE260-F470 THROUGH-BEAM SENSOR	0-35m, 10...30VDC, PNP, M12, 4 pin Light/Dark Plastic
SI1088329	WSE16P-24162100A00 THROUGH-BEAM SENSOR	0-45m, 10...30VDC, PNP, NPN, Push/Pull, M12, 4 Pin, Light/Dark, Plastic
SI1074762	HSE18-P4A1BA THROUGH-BEAM SENSOR	Hybrid, M18 Nose, 0-20m, 10...30VDC, PNP, Light/Dark, M12, 4 Pin, Plastic



## Inductive Proximity Sensors

### IMB 08

#### Part Number

SI1074349	IMB08-02BPPVC0S	M8, 4P, 10...30VDC, 2mm Sn, Flush, PNP, NO/NC
SI1074350	IMB08-04NPPVC0S	M8, 4P, 10...30VDC, 4mm Sn, Non Flush, PNP, NO/NC



### IMB 12

#### Part Number

SI1074366	IMB12-04BPPVC0K	M12, 4P, 10...30VDC, 4mm Sn, Flush, PNP, NO/NC, Short Body
SI1074359	IMB12-04BPPVC0S	M12, 4P, 10...30VDC, 4mm Sn, Flush, PNP, NO/NC
SI1074360	IMB12-08NPPVC0S	M12, 4P, 10...30VDC, 8mm Sn, Non Flush, PNP, NO/NC



### IMB 18

#### Part Number

SI1074376	IMB18-08BPPVC0K	M12, 4P, 10...30VDC, 8mm Sn, Flush, PNP, NO/NC, Short Body
SI1074369	IMB18-08BPPVC0S	M12, 4P, 10...30VDC, 8mm Sn, Flush, PNP, NO/NC
SI1074370	IMB18-12NPPVC0S	M12, 4P, 10...30VDC, 12mm Sn, Non-flush, PNP, NO/NC



## Inductive Proximity Sensors

### IMB 30

#### Part Number

SI1074406	IMB30-15BPPVC0K	M12, 4P, 10...30VDC, 15mm Sn, Flush, PNP, NO/NC, Short Body
SI1074411	IMB30-15BPPVC0S	M12, 4P, 10...30VDC, 15mm Sn, Flush, PNP, NO/NC
SI1074407	IMB30-20NPPVC0S	M12, 4P, 10...30VDC, 20mm Sn, Non-Flush, PNP, NO/NC



## Stainless Proximity Sensors

#### Part Number

SI1076752	IMF08-04NPPNC0S INDUCT.PROXIM.SENSOR
SI1076674	IMF12-04BPPNC0S INDUCT.PROXIM.SENSOR
SI1076665	IMF18-08BPPNC0S INDUCT.PROXIM.SENSOR



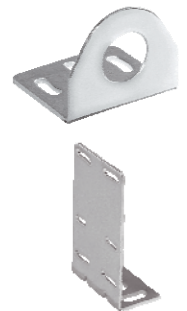
#### Part Number

SI6027572	IM12-06BPS-NC1 INDUCT.PROXIMITY SENSOR
SI6027577	IM18-10BPS-NC1 INDUCT.PROXIMITY SENSOR

## Mounting Accessories

#### Part Number

SI5320949	BEF-WN-M12N MOUNT.-BRAC.M12-90°,316L
SI5320947	BEF-WN-M18N MOUNT.BRACK.M18-90°,316L
SI5308445	MOUNTING BRACKET M30
SI2051608	UNIVERSAL TERMINAL HOLDER
SI5313885	BEF-W280 MOUNTING BRACKET FOR W280



## Inductive Proximity Sensor IOG

#### Part Number

SI1071553	IQ40-20BPPK0K INDUCT.PROXIM.SENSOR
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## Sick Sensor Cables & Connectors

### Sensor Cables

#### Part Number

SI2094788	DOL-0803-G05MC., YF8U13-050UA1XLEAX
SI2094789	DOL-0803-G10MC., YF8U13-100UA1XLEAX
SI2095586	DOL-0803-W05MC., YG8U13-050UA1XLEAX
SI2095588	DOL-0803-W10MC., YG8U13-100UA1XLEAX
SI2094792	YF8U14-050UA3XLEAX female connector M8 4-pole straight 5m PUR halogenefree
SI2094793	DOL-0804-G10MC., YF8U14-100UA3XLEAX
SI2095590	DOL-0804-W05MC., YG8U14-050UA3XLEAX
SI2095591	DOL-0804-W10MC., YG8U14-100UA3XLEAX
SI2095608	DOL-1204-G05MC., YF2A14-050UB3XLEAX
SI2095609	DOL-1204-G10MC., YF2A14-100UB3XLEAX
SI2095611	YF2A14-200UB3XLEAX female connector M12 4-pole straight 20m PUR halogenefree





## Plug Connectors & Cables

### Part Number

SI2095767	DOL-1204-W05MC., YG2A14-050UB3XLEAX M12 4PIN R/Angle 5 Mtr
SI2095768	DOL-1204-W10MC., YG2A14-100UB3XLEAX
SI2095770	DOL-1204-W20MC., YG2A14-200UB3XLEAX
SI2095618	DOL-1205-G05MC., YF2A15-050UB5XLEAX
SI2095619	DOL-1205-G10MC., YF2A15-100UB5XLEAX
SI2095773	DOL-1205-W05MC., YG2A15-050UB5XLEAX
SI2095774	DOL-1205-W10MC., YG2A15-100UB5XLEAX



## Food Grade Cables

### Part Number

SI6058505	DOL-0803-G05MRN CAB.,FEM.ST 5M0 M8-3P
SI6058508	DOL-0803-W05MRN CAB.,FEM.AN 5M0 M8-3P
SI6058511	DOL-0804-G05MRN CAB.,FEM.ST 5M0 M8-4P
SI6058512	DOL-0804-G10MRN CAB.,FEM.ST 10M M8-4P
SI6058515	DOL-0804-W05MRN CAB.,FEM.AN 5M0 M8-4P
SI6058517	DOL-0804-W10MRN CAB.,FEM.AN 10M M8-4P
SI6058476	DOL-1204-G05MRN CAB.,FEM.ST 5M0 M12-4P
SI6058478	DOL-1204-G10MRN CAB.,FEM.ST 10M M12-4P
SI6058477	DOL-1204-W05MRN CAB.,FEM.AN 5M0 M12-4P
SI6058479	DOL-1204-W10MRN CAB.,FEM.AN10M0 M12-4P
SI6058495	DOL-1205-G05MRN CAB.,FEM.ST 5M0 M12-5P
SI6058496	DOL-1205-G10MRN CAB.,FEM.ST 10M M12-5P



## Female Connectors

### Part Number

SI7902077	DOS-0803-G SOCKET M8-3P
SI7902078	DOS-0803-W SOCKET M8-3P
SI6009974	DOS-0804-G FEM.CON.GE. M8-4P
SI6009975	STECKDO.WI.LTG.HL 4P. C60V 4A IP67
SI6009719	DOS-1205-G FEM.CON.ST. PG7 M12-5P
SI6009720	DOS-1205-W FEM.CON.AN. PG7 M12-5P
**Note: use 5P for 4P as well.	



## Male Connectors

### Part Number

SI6037322	STE-0803-G CONNEC ,ST.CAB.SC M 8-3P
SI6037323	STE-0804-G CONNEC ,ST.CAB.SOL M 8-4P
SI6009932	STE-1204-G MAL.CON.ST.CAB.SC M12-4P
SI6022084	STE-1204-W MAL.CON.AN.CAB.SC M12-4P
SI6022083	STE-1205-G MAL.CON.ST.CAB.SC M12-5P
SI6022082	STE-1205-W MAL.CON.AN.CAB.SC M12-5P



## Reflectors

### Part Number

SI5308843	P250F REFLECTOR N.LSP
SI1012720	PL40A REFLECTOR
SI1012719	PL20A REFLECTOR
SI5304812	P250 REFLEKTOR
SI1003865	PL80A REFLECTOR
SI5304549	C110A REFLECTOR D83,0*9,0 BEF.-D4,8
SI4086634	REF-PLUS-R50 REFLEX.TAPE 50MM X 912MM



## Autonics Proximity Sensors

### Inductive Proximity Sensor

#### Part Number

AUPRDCM12-4DP	Inductive Prox, 12mm Round, Connector type, Shielded, 4mm Sensing, PNP, NO, M12 3Wire, 10-30 VDC
AUPRDCM12-4DN	Inductive Prox, 12mm Round, Connector type, Shielded, 4mm Sensing, NPN, NO, M12 3Wire, 10-30 VDC
AUPRDCM18-7DP	Inductive Prox, 18mm Round, Connector type, Shielded, 7mm Sensing, PNP, M12 3Wire, 10-30 VDC
AUPRDCM18-7DN	Inductive Prox, 18mm Round, Connector type, Shielded, 7mm Sensing, NPN, M12 3Wire, 10-30 VDC
AUPRDCM30-15DP	Inductive Prox, 30mm Round, Connector type, Shielded, 15mm Sensing, PNP, NO, M12 3 Wire, 10-30 VDC
AUPSN17-5DP	5mm Sensing, W17 x H17 x L36mm, PNP, NO, 10-30VDC, 2mt cable, 700Hz Cubed Proximity Switch
AUPSN17-5DN	5mm Sensing, W17 x H17 x L36mm, NPN, NO, 10-30VDC, 2mt cable, 700Hz Cubed Proximity Switch



### Cables for Autonics Proximity Sensors

#### Part Number

AUCID3-5	5mt Straight, M12, DC-3 Wire Female Cable
AUCLD3-5	5mt Angled, M12, DC-3 Wire Female Cable



### Capacitive Proximity Sensor

#### Part Number

AUCR30-15DP	Capacitive Proximity Sensor 15mm Sensing, M30, PNP, NO, 10-30VDC, DC3 wire, Non Shield type, 50Hz
AUCR30-15DN	Capacitive Proximity Sensor 15mm Sensing, M30, NPN, NO, 10-30VDC, DC3 wire, Non Shield type, 50Hz





**TLS2200  
(OBSOLETE)**



**BMP61**  
Part No. BR877863



**BMP71**  
Part No. BR115158

## Ribbons

TLS2200	BMP61	BMP71			
BR18558	BR148129	BR114548	WAX-RESIN BLACK	R-4310 / R4300	Self-Lam / Permasleeve
BR18559	BR148134	BR114547	RESIN BLACK	R-6610 / R6000	Eprep / Vinyl / Durasleeve
BR18560	BR148130	BR114549	RESIN BLACK	R-6210 / R6200	Bradysleeve
BR18706	BR148133	BR114552	RESIN BLUE	R-4410 / R6900	Eprep
BR18704	BR148132	BR114551	RESIN RED	R-4410 / R6900	Eprep
BR18705	BR148131	BR114550	RESIN WHITE	R-4410 / R4400	Eprep



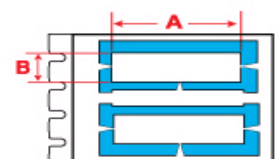
## Durasleeve Carriers

Part Number								
BR13255	BR13255	BR13255	DMC-1.3 / 3-15	CARRIER	1.3 - 3mm Cable	15mm	B/1000	
BR13256	BR13256	BR13256	DMC-2.5 / 5-15	CARRIER	2.5 - 5mm Cable	15mm	B/1000	
BR13258	BR13258	BR13258	DMC-4 / 10-15	CARRIER	4 - 10mm Cable	15mm	B/500	
BR13259	BR13259	BR13259	DMC-8 / 16-15	CARRIER	8 - 16mm Cable	15mm	B/500	
BR13262	BR13262	BR13262	DMC-1.3 / 3-30	CARRIER	1.3 - 3mm Cable	30mm	B/500	
BR13263	BR13263	BR13263	DMC-2.5 / 5-30	CARRIER	2.5 - 5mm Cable	30mm	B/500	
BR13265	BR13265	BR13265	DMC-4 / 10-30	CARRIER	4 - 10mm Cable	30mm	B/200	
BR13266	BR13266	BR13266	DMC-8 / 16-30	CARRIER	8 - 16mm Cable	30mm	B/200	



## Durasleeve Inserts

Part Number							
BR18684	BR18684	BR872146	INSERT	15mm x 4mm		15mm	B/300
BR872148	BR872148	BR872148	INSERT	15mm x 4mm	BULK ROLL	15mm	B/3000
BR18685	BR18685	BR872147	INSERT	30mm x 4mm		30mm	B/300
BR19305	BR19305	BR872149	INSERT	30mm x 4mm	BULK ROLL	30mm	B/3000



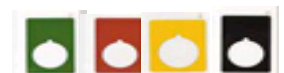
## EPREP Raised Adhesive Labels

Part Number						
BR802255	BR802255	BR872116	PANEL LABELS	27mm x 8mm	WHITE	B/250
BR802261	BR802261	BR872118	PANEL LABELS	27mm x 12.5mm	WHITE	B/250
BR802267	BR802267	BR872119	PANEL LABELS	27mm x 15mm	WHITE	B/150
BR802273	BR802273	BR872117	PANEL LABELS	27mm x 18mm	WHITE	B/150



## Push Button Legends

Part Number						
BR802279	BR802279	BR872104	P/BUTTON LABEL	30mm x 40mm x 2	WHITE	B/100



## Self Laminating

Part Number						
BR18346	BR18346	BR115103	M71-11-427	12.7 x 19.05mm	Up to 4mm Cable	P/500
BR62349	BR62349	BR115000	M71-96-427	25.4 x 19.05mm	Up to 4mm Cable	P/250



## Enclosures - Thermoplastic IP65

### Opaque Cover

Part Number	Internal Dimen. (mm) HxWxD
ABLE00846	100x100x50
ABLE00850	105x70x50
ABLE00851	100x100x80
ABLE00852	153x110x66
ABLE00854	160x135x77
ABLE00856	220x170x80
ABLE00858	310x240x110
ABLE00860	160x135x150
ABLE00862	220x170x150
ABLE00864	310x240x160



### Clear Cover

Part Number	Internal Dimen. (mm) HxWxD
ABLE00872	153x110x66
ABLE00874	160x135x77
ABLE00876	220x170x80
ABLE00878	310x240x110
ABLE00880	160x135x150
ABLE00882	220x170x150
ABLE00884	310x240x160



## Enclosures - Polycarbonate - IP65

Part Number	Internal Dimen. (mm) HxWxD
ABLE12804	140x220x140
ABLE12808	205x220x140
ABLE12812	275x220x140
ABLE12814	275x370x140
ABLE12816	275x570x140
ABLE12818	380x570x140



## Mounting Plates and Accessories

Part Number	Internal Dimen. (mm) HxWxD
ABLP00900	MOUNTING PLATE FOR ENCLOSURE - 160x135
ABLP00902	MOUNTING PLATE FOR ENCLOSURE - 220x170
ABLP00904	MOUNTING PLATE FOR ENCLOSURE - 310x240
ABLP12842	MOUNTING PLATE FOR ENCLOSURE - 140x220
ABLP12844	MOUNTING PLATE FOR ENCLOSURE - 205x220
ABLP12845	MOUNTING PLATE FOR ENCLOSURE - 275x220
ABLP12846	MOUNTING PLATE FOR ENCLOSURE - 275x370
ABLP12847	MOUNTING PLATE FOR ENCLOSURE - 275x570
ABLP12848	MOUNTING PLATE FOR ENCLOSURE - 380x570
ABLA12858	WALL BRACKET MOUNTING SET



## Terminal/Junction Box KL

The KL Terminal Box has been developed and refined through constant customer feedback that has resulted in a terminal box range comprising of 40 different alternatives. Available in mild steel with a powder coated finish as well as stainless steel for corrosive environments.

With a screw fastening lid, integrated mounting rails and a practical depth (80 mm or 120 mm) to suit terminal strips, this enclosure is ideal for any junction or marshalling application. Accessories include mounting plates, support rails, cable gland plates and exterior cover hinges.

### Material

- Enclosure: sheet steel
- Sheet steel, all-round foamed-in PU seal

### Supply Includes

- Enclosure with cover
- Quick-action screw including plastic bushes
- For enclosures with gland plate plus sheet steel gland
- Plates with seals and assembly parts



## Mild Steel

Model No.		With Gland Plate D=120mm	Width mm	Height mm	Mounting Plate	Support Rail (DIN Rail)	
D=80mm	D=120mm					TS 35/7.5	TS 35/15
1514510	1500510	-	150	150	1560700	2314000	-
1528510	1529510	-	200	150	1575700	2315000	-
1516510	1502510	-	200	200	1562700	2315000	-
1515510	1501510	1530510	300	150	1561700	2316000	-
1517510	1503510	1531510	300	200	1563700	2316000	-
-	1507510	1535510	300	300	1567700	2316000	-
-	1589510	-	400	150	1576700	2317000	-
1518510	1504510	1532510	400	200	1564700	2317000	-
-	1508510	1536510	400	300	1568700	2317000	-
-	1511510	1539510	400	400	1571700	2317000	-
-	1505510	1533510	500	200	1565700	-	2318000
-	1509510	1537510	500	300	1569700	-	2318000
1519510	1506510	1534510	600	200	1566700	-	2319000
-	1510510	1538510	600	300	1570700	-	2319000
-	1512510	1540510	600	400	1572700	-	2319000
-	1527510	1542510	800	200	1574700	-	-
-	1513510	1541510	800	400	1573700	-	-

\* Add "RI" prefix to Model No.





## Terminal/Junction Box KL


### Stainless Steel 304

Model No.	Width mm	Height mm	Depth mm	Mounting Plate	Support Rail (DIN Rail) TS 35/7.5
1521010	150	150	80	1560700	2314000
1523010	200	200	80	1562700	2315000
1522010	300	150	80	1561700	2316000
1524010	300	200	80	1563700	2316000
1527010	150	150	120	1560700	2314000
1528010	200	200	120	1562700	2315000
1529010	300	200	120	1563700	2316000
1526010	300	300	120	1567700	2316000
1525010	400	200	120	1564700	2317000

### Stainless Steel 316L

Model No.	Width mm	Height mm	Depth mm	Mounting Plate	Support Rail (DIN Rail) TS 35/7.5
1521510	150	150	80	1560700	2314000
1523510	200	200	80	1562700	2315000
1522510	300	150	80	1561700	2316000
1524510	300	200	80	1563700	2316000
1525510	400	200	120	1564700	2317000
1526510	300	300	120	1567700	2316000

### Accessories

Model No.	Description	Packs Of	
1592000	Cover Hinges	6	
2570100	Earthing Set	5	
1590000	Wall Mounting Bracket (8mm - Zinc)	4	
1594000	Wall Mounting Bracket (8mm - Stainless Steel)	4	
1581000	Plastic Gland Plate (PG 13.5)	5	
1582000	Plastic Gland Plate (PG 13.5/16/21)	5	
2584000	Pole Clamp	1 set	
1199100	Baying Kit	1	
1592010	Cover hinge for KL (316 Stainless Steel)	2	

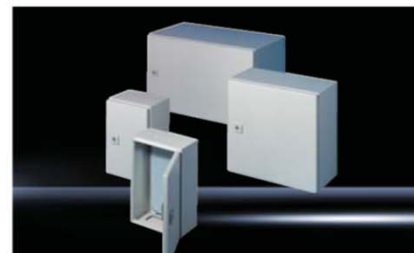
\* Add "RI" prefix to Model No.



## Mild Steel Wall Mounted Enclosures AE

The Rittal range of wall mounted enclosures have been on the market for over 30 years. In this time the manufacturing of these enclosures has been perfected, giving them a quality that cannot be matched. The range has evolved to cater for applications where stainless steel is necessary.

Choose from over 75 variants including powder coated mild steel or stainless steel, single or double door versions, glazed doors and a variety of operating panels. The AE Series is well complemented by a range of accessories that further adapt the enclosures to a given application.



### Material:

- Enclosure: Sheet steel
- Door: Sheet steel, all-round foamed-in PU seal

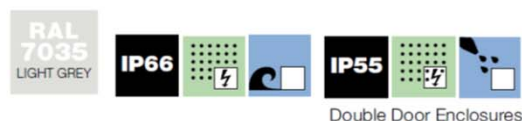
### Supply includes:

- Enclosure with hinged door(s), of all-round solid construction
- Gland plate(s) in enclosure base
- For single-door enclosures, door hinged on right, may be swapped to left (except with AE 1032.500 and AE 1035.500)
- With cam lock or 3-point lock system & Mounting plate

## Mild Steel

Model No.	Width mm	Height mm	Depth mm	Rain Canopy Mild Steel	Rain Canopy Stainless Steel	Inner Door	Door(s)
*1032500	200	300	120	-	-	XAU10350199	1
*1035500	200	300	155	-	2470000	XAU10350199	1
1036500	300	300	155	-	-	XAU10330199	1
1033500	300	300	210	-	2361000	XAU10330199	1
1034500	300	400	210	-	2361000	XAU10340199	1
1030500	380	300	155	-	2471000	XAU10310199	1
1031500	380	300	210	2501500	2472000	XAU10310199	1
1380500	380	380	210	2501500	2472000	XAU13800199	1
1038500	380	600	210	2501500	2472000	XAU10380199	1
1338500	380	600	350	-	-	XAU10380199	1
1045500	400	500	210	-	-	XAU10450199	1
1037500	400	800	300	-	-	ON REQUEST	1
1050500	500	500	210	-	2362000	XAU10500199	1
1350500	500	500	300	-	-	XAU10500199	1
1057500	500	700	250	-	-	XAU10570199	1
1039500	600	380	210	2502500	2473000	XAU10390199	1
1339500	600	380	350	2511500	-	XAU10390199	1
1060500	600	600	210	2502500	2473000	XAU10600199	1
1054500	600	600	250	-	-	XAU10600199	1
1360500	600	600	350	2511500	-	XAU10600199	1
1076500	600	760	210	2502500	2473000	XAU10760199	1
1376500	600	760	350	2511500	-	XAU10760199	1
1058500	600	800	250	-	-	XAU10580199	1
1090500	600	1000	250	-	-	XAU10900199	1
1260500	600	1200	300	-	-	XAU12600199	1

\*IP55 Rating



\* Add "RI" prefix to Model No.



## Mild Steel Wall Mounted Enclosures AE

Model No.	Width mm	Height mm	Depth mm	Rain Canopy Mild Steel	Rain Canopy Stainless Steel	Inner Door	Door(s)
1077500	760	760	210	-	-	XAU10770199	1
1073500	760	760	300	-	2474000	XAU10770199	1
1055500	800	600	300	-	2475000	ON REQUEST	1
1180500	800	1000	300	-	2475000	XAU11800199	1
1280500	800	1200	300	-	2475000	XAU12800199	1
*1100500	1000	760	210	-	-	ON REQUEST	2
*1130500	1000	760	300	-	2363000	ON REQUEST	2
*1110500	1000	1000	300	-	2363000	ON REQUEST	2
*1213500	1000	1200	300	-	2363000	ON REQUEST	2
*1114500	1000	1400	300	-	2363000	ON REQUEST	2
<b>X15 Orange</b>							
XAU1033500OR	300	300	210	-	2361000	XAU10330199	1
XAU1380500OR	380	380	210	-	2472000	XAU13800199	1
XAU1045500OR	400	500	210	-	-	XAU10450199	1
XAU1038500OR	380	600	210	-	2472000	XAU10380199	1
XAU1050500OR	500	500	210	-	2362000	XAU10500199	1
XAU1060500OR	600	600	210	-	2473000	XAU10600199	1
XAU1057500OR	500	700	250	-	-	XAU10570199	1
XAU1058500OR	600	800	250	-	-	XAU10580199	1
XAU1076500OR	600	760	210	-	2473000	XAU10760199	1
XAU1073500OR	760	760	300	-	2474000	XAU10770199	1
XAU1090500OR	600	1000	250	-	-	XAU10900199	1
XAU1180500OR	800	1000	300	-	2475000	XAU11800199	1
XAU1280500OR	800	1200	300	-	2475000	XAU12800199	1

Inner doors available ex stock



\* Add "RI" prefix to Model No.

\*IP55 Rating



Double Door Enclosures

## Compact System Enclosures CM

CM (medium size) is the latest addition to the Rittal enclosure range. The available sizes have been carefully decided based on close consultation with equipment manufacturers. This will ensure that the best possible electrical installation, characterised by maximum accessibility and space utilisation, will be achieved with an off the shelf enclosure.

### Features

- Equipped with studs for mounting adapter rails to utilise TS interior installation accessories.
- New door handle ensures optimum space utilisation on door for cutouts and door mounted equipment due to its unique lever mechanism.

### Material

- Enclosure: Sheet steel, 1.5 mm
- Door: Sheet steel, 2.0 mm, All-round foamed-in PU seal
- Mounting plate: Sheet steel, 3.0 mm



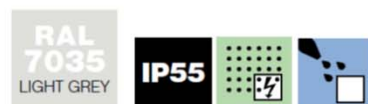
### Supply includes

- Enclosure with hinged door(s)
- R/H door hinge with single door enclosures, may be swapped to opposite side
- 3-point lock
- Mounting plate
- Open base for individual cable entry

## Mild Steel

Model No.	W mm	H mm	D mm	Base/Plinth 100mm		Base/Plinth 200mm		Internal Assembly Rails		Punched Sections*		Door(s)
				Front/Rear	Side	Front/Rear	Side	Vertical	Horizontal	Depth	Width	
5110500	600	800	400	8601600	8601040	8602600	8602040	5001051	5001050	8612140	8612060	1
5111500	600	1000	400	8601600	8601040	8602600	8602040	5001052	5001050	8612140	8612060	1
5112500	600	1200	300	8601600	8601030	8602600	8602030	5001053	5001050	8612130	8612060	1
5113500	600	1200	400	8601600	8601040	8602600	8602040	5001053	5001050	8612140	8612060	1
5114500	800	1000	300	8601800	8601030	8602800	8602030	5001052	5001051	8612130	8612080	1
5115500	800	1000	400	8601800	8601040	8602800	8602040	5001052	5001051	8612140	8612080	1
5116500	800	1200	300	8601800	8601030	8602800	8602030	5001053	5001051	8612130	8612080	1
5117500	800	1200	400	8601800	8601040	8602800	8602040	5001053	5001051	8612140	8612080	1
5118500	1000	1000	300	8601000	8601030	8602000	8602030	5001052	5001052	8612130	8612000	2
5119500	1000	1200	300	8601000	8601030	8602000	8602030	5001053	5001052	8612130	8612000	2
5120500	1000	1200	400	8601000	8601040	8602000	8602040	5001053	5001052	8612140	8612000	2
5121500	1000	1400	300	8601000	8601030	8602000	8602030	5001054	5001052	8612130	8612000	2
5122500	1000	1400	400	8601000	8601040	8602000	8602040	5001054	5001052	8612140	8612000	2
5123500	1200	1200	400	8601200	8601040	8602200	8602040	5001053	5001053	8612140	8612020	2

\* Add "RI" prefix to Model No.





## Wall Mounted Enclosures AE Stainless Steel 304

### Material

- Enclosure: Stainless Steel
- Door: Stainless steel, all-round foamed-in PU seal
- Mounting plate: Sheet steel
- Locks: Die-cast zinc, 316 s/st enclosures supplied with 316 s/st lock

### Supply Includes

- Enclosure with door(s)
- Cam lock or 3-point lock system (for AE 1017.X00 and AE 1019.X00) with double-bit insert
- Mounting plate

**AUTHORISED DISTRIBUTOR**

## Stainless Steel 304

Model No.	Width mm	Height mm	Depth mm	Rain Canopy Stainless Steel	Inner Door	Door(s)
1001600	200	300	120	-	XAU10350199	1
1002600	200	300	155	2470000	XAU10350199	1
1003600	300	300	210	2361000	XAU10330199	1
1005600	300	380	210	2361000	ON REQUEST	1
1004600	380	300	155	2471000	XAU10310199	1
1011600	380	300	210	2472000	XAU10310199	1
1006600	380	380	210	2472000	XAU13800199	1
1008600	380	600	210	2472000	XAU10380199	1
1015600	400	500	210	-	XAU10450199	1
1007600	500	500	210	2362000	XAU10500199	1
1013600	500	500	300	-	XAU10500199	1
1009600	600	380	210	2473000	XAU10390199	1
1010600	600	600	210	2473000	XAU10600199	1
1012600	600	760	210	2473000	XAU10760199	1
1014600	760	760	300	2474000	XAU10770199	1
1016600	800	1000	300	2475000	XAU11800199	1
1017600	800	1200	300	2475000	XAU12800199	1
1018600	1000	1000	300	2363000	ON REQUEST	2
1019600	1000	1200	300	2363000	ON REQUEST	2
XAU1068600	600	800	300	-	XAU10580199	1

\* Add "RI" prefix to Model No.

## Wall Mounted Enclosures AE Stainless Steel 316

### Material

- Enclosure: Stainless Steel 316L
- Door: Stainless steel, all-round foamed-in PU seal
- Mounting plate: Sheet steel
- Locks: Die-cast zinc

### Surface Finish

- Housing and door: Brushed, grain 240
- Mounting plate: Zinc-plated

### Supply Includes

- Enclosure with door(s)
- Cam lock or 3-point lock system (for AE 1017.X00 and AE 1019.X00) with double-bit insert
- Mounting plate

### Protection Category

- IP66 for single door enclosure
- IP55 for double door enclosure

### Now fitted with Blind Nut in Rear



Padlockable handle for AE SS316L enclosure XAU2535990

## Stainless Steel 316L

Model No.	Width mm	Height mm	Depth mm	Inner Door	Door(s)
XAU1001500	200	300	120	XAU10350199	1
XAU1002500	200	300	155	XAU10350199	1
XAU1003500	300	300	210	XAU10330199	1
XAU1005500	300	380	210	ON REQUEST	1
XAU1004500	380	300	155	XAU10310199	1
XAU1011500	380	300	210	XAU10310199	1
XAU1006500	380	380	210	XAU13800199	1
XAU1008500	380	600	210	XAU10380199	1
XAU1015500	400	500	210	XAU10450199	1
XAU1007500	500	500	210	XAU10500199	1
XAU1013500	500	500	300	XAU10500199	1
XAU1009500	600	380	210	XAU10390199	1
XAU1010500	600	600	210	XAU10600199	1
XAU1012500	600	760	210	XAU10760199	1
XAU1014500	760	760	300	XAU10770199	1
XAU1016500	800	1000	300	XAU11800199	1
XAU1017500	800	1200	300	XAU12800199	1
XAU1018500	1000	1000	300	ON REQUEST	2
XAU1019500	1000	1200	300	ON REQUEST	2
XAU1663999	600	600	300	XAU10600199	1
XAU1068500	600	800	300	XAU10580199	1
XAU1684999	600	800	400	XAU10580199	1
XAU1063999	600	1000	300	XAU10900199	1
XAU1884999	800	800	400	ON REQUEST	1
XAU1804999	800	1000	400	XAU12800199	1
XAU1824999	800	1200	400	XAU12800199	1
XAU1024999	1000	1200	400	ON REQUEST	2
XAU1224999	1200	1200	400	ON REQUEST	2

\* Add "RI" prefix to Model No.

## Sloped Roof Enclosures AE Stainless Steel 316

NEW INNOVATION! Specifically designed for coal mining applications, the 30 degree sloped roof protects against dust and moisture.

### Features

- 30 degree sloped roof
- 316 grade stainless steel
- Single door
- Optional viewing window available on request
- Fully welded construction
- Additional dust / water proofing provided by rubber seal across top of door
- Door set back underneath canopy
- Blind nutserts fitted for ease of wall mounting
- Additional AE sizes available on request (stainless steel only)

### Supply Includes

- Enclosure
- Door with all-round foamed-in PU seal
- Earthing strap
- Wall mounting brackets
- Mounting plate
- 316 stainless steel lock
- Gland plate included s/st

### Protection Category

- IP66 Rating to EN 60 529/09.2000



## 316 Stainless Steel

Model No.	Width mm	Height mm*	Depth mm
XAU1002590	200	300	155
XAU1006590	380	380	210
XAU1008590	380	600	210
XAU1012590	600	760	210
XAU1068590	600	800	300

\* Add "RI" prefix to Model No.

\* Height is usable

Additional sizes available on request



## Hygienic Design Terminal Boxes Stainless Steel 304

Rittal's range of Hygienic Design enclosures are designed and engineered to comply with the highest German hygiene certification.

Specifically created for use in food processing Rittal's HD enclosures ensure there is nowhere for micro-organisms to hide, making cleaning easy, reducing the risk of contamination and significantly increasing your productivity.

### Material

- Enclosure and cover: Stainless steel 1.4301 (AISI 304), 1.5 mm
- Mounting bracket: Sheet steel, zinc-plated, passivated, 2.0 mm
- Quick-release fasteners: Stainless steel
- Seal: Silicone, compliant with FDA Guideline 21 CFR 177.2600

### Surface finish

- Enclosure and cover: Brushed, grain 400, RA< 0.8 µm
- Seal: Blue, dyed (RAL 5010)

### Protection category:

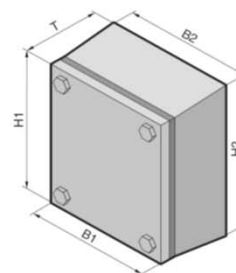
- IP 66 to IEC 60 529
- IP 69K to DIN 40 050-9
- Compliant with NEMA 13
- Compliant with NEMA 4X
- Compliant with NEMA 3R

### Supply includes:

- Enclosure of all-round solid construction
- Cover
- Mounting bracket (pre-assembled)
- Seal and quick-release locks (supplied loose)

### Detailed drawing:

- Available via [rittal.com.au](http://rittal.com.au)



## Terminal boxes HD

Model No. HD	Width Front (B1) mm	Width Rear (B2) mm	Height Front (H1) mm	Height Rear (H2) mm	Depth (T) mm	Wall spacer bracket HD	Accessories	Support rail
						Pack of 1	Mounting plate Pack of 1	TS 35/7.5 Pack of 10
1670.600	150	172	150	172	80	4000.100	1560.700	2314.000
1671.600	150	177	150	177	120	4000.100	1560.700	2314.000
1672.600	200	227	200	227	120	4000.100	1562.700	2315.000
1674.600	300	327	200	227	120	4000.100	1563.700	2316.000
1675.600	400	427	200	227	120	4000.100	1564.700	2317.000
1676.600	400	427	300	327	120	4000.100	1568.700	2317.000

\* Add "RI" prefix to Model No.

## Hygienic Design Sloped Roof Enclosures Stainless Steel 304

### Material

- Enclosure and door: Stainless steel 1.4301 (AISI 304)
- Mounting plate: Sheet steel
- Lock inserts HD: Stainless steel 1.4404 (AISI 316L)
- Seal: Silicone, compliant with FDA Guideline 21 CFR 177.2600

### Surface finish

- Enclosure and door: Brushed, grain 400,  $^{\circ}$ RA< 0.8  $\mu$ m
- Mounting plate: Zinc-plated
- Seal: Blue, dyed (RAL 5010)

### Protection category:

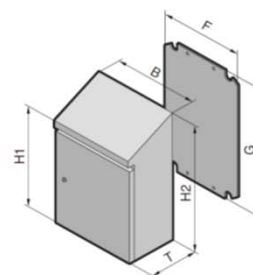
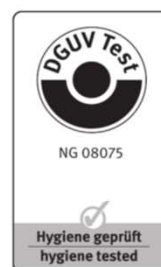
- IP 66 to IEC 60 529
- IP 69K to DIN 40 050-9
- Compliant with NEMA 13
- Compliant with NEMA 4X

### Supply includes:

- Enclosure of all-round solid construction
- Door with press-fitted seal
- Interchangeable door hinge
- Mounting plate

### Detailed drawing:

- Available on the Internet.



## Compact enclosures HD, single-door

Model No. HD	Width Front (B) mm	Height Front (H1) mm	Height Rear (H2) mm	Depth (T) mm	Mounting plate width (F) mm	Mounting plate height (G) mm	Accessories:
							Wall spacer bracket HD
1302.600	220	350	437	155	162	275	Pack of 1
1306.600	390	430	549	210	334	355	4000.100
1308.600	390	650	769	210	334	570	4000.100
1307.600	510	550	669	210	449	470	4000.100
1320.600	610	430	601	300	549	355	4000.100
1310.600	610	650	769	210	549	570	4000.100
1316.600	810	1050	1221	300	739	955	4000.100
1317.600	810	1250	1421	300	740	1155	4000.100

\* Add "RI" prefix to Model No.



## System Enclosure Free Standing SE 8



Rittal's SE 8 freestanding enclosure system is fully compatible with the TS 8 enclosure system, the platform provides the greatest possible variety of configurations and clear cost advantages in one single solution. The SE 8 platform replaces the ES 5000 enclosure series. TS 8 systems accessories can be used without any restrictions.

### Material

- Depending on the version: Sheet steel or 1.4301 stainless steel (AISI 304)
- Enclosure: 1.5mm
- Door: 2.0 mm
- Rear panel and gland plates: 1.5mm
- Mounting plate: 3.0mm, sheet steel (for sheet steel and stainless steel enclosures)

### Stainless steel surface finish:

- Enclosure, rear panel, base and door(s):
- Brushed, grain 400
- Mounting plate:
- Zinc-plated

### Protection category:

- IP 55 to EN 60 529, complies with NEMA 12

### Features

- Fully compatible with TS system accessories
- Lower installation costs thanks to integrated profiled sides
- Maximum diversity for cable entry
- Automatic potential equalisation

### Mild steel surface finish:

- Enclosure, door (or double door) and rear panel:
- Dipcoat-primed
- Externally powder-coated with RAL 7035 textured paint
- Mounting plate and gland plates:
- Zinc-plated

### Supply includes:

- Enclosure with door(s)
- With single-door enclosures: Door hinged or the right (can be changed to the left)
- Mounting plate
- Gland plates
- Rear panel (in two pieces from a width of 1600 mm and more), screw-fastened.

## Mild Steel

Model No.	Width mm	Height mm	Depth mm	Base/Plinth 100mm Front/Rear	Side	Base/Plinth 200mm Front/Rear	Side	Door(s)
5830500	600	1800	400	8601600	8601040	8602600	8602040	1
5831500	800	1800	400	8601800	8601040	8602800	8602040	1
5832500	800	2000	400	8601800	8601040	8602800	8602040	1
5833500	800	2000	500	8601800	8601050	8602800	8602050	1
5834500	800	2000	600	8601800	8601060	8602800	8602060	1
5840500	1000	1800	400	8601000	8601040	8602000	8602040	2
5841500	1200	1800	400	8601200	8601040	8602200	8602040	2
5842500	1600	1800	400	8601920	8601040	8602920	8602040	2
5843500	1200	2000	400	8601200	8601040	8602200	8602040	2
5844500	1200	2000	500	8601200	8601050	8602200	8602050	2
5845500	1200	2000	600	8601200	8601060	8602200	8602060	2
5846500	1800	2000	500	8601980	8601050	8602980	8602050	2

## 304 Stainless Steel

Model No.	Width mm	Height mm	Depth mm	Base/Plinth 100mm Front/Rear	Side	Base/Plinth 200mm Front/Rear	Side	Door(s)
5850500	600	1600	400	8701600	8701040	8702600	8702040	1
5851500	600	1800	500	8701600	8701050	8702600	8702050	1
5852500	800	1800	500	8701800	8701050	8702800	8702050	1
5853500	800	2000	600	8701800	8701060	8702800	8702060	1
5854500	1000	1800	400	8701000	8701040	8702000	8702040	1
5855500	1200	2000	500	8701200	8701050	8702200	8702050	2



\* Add "RI" prefix to Model No.



## Freestanding Bayable Enclosures TS 8

The TS 8 freestanding enclosure represents an exciting evolution of electrical enclosure systems. Its symmetrical frame allows any number of individual units to be bayed side by side, one in front of the other, and even in a corner at right angles to each other. Once bayed in chosen arrangements, accessibility options are equally flexible. Doors can be installed on any side of the frame ensuring maximum access to the enclosure interior.



### Features

- Bayable on all sides
- Universal interior installation
- Mild and Stainless Steel

### Material

- Enclosure frame, roof, rear panel and gland plates: Sheet steel, 1.5 mm
- Door: Sheet steel, 2.0 mm
- Mounting plate: Sheet steel, 3.0 mm

### Supply includes

- Enclosure frame with door(s), 3 mm double-bit lock insert
- Mounting plate
- Gland plates
- Rear panel
- Roof plate
- 4 eyebolts

### Protection category:

- IP 55 to EN 60 529, complies with NEMA 12

## Mild Steel

Model No.	Width mm	Height mm	Depth mm	Side Panels	Base/Plinth 100mm		Base/Plinth 200mm		Door(s)
					Front/Rear	Side	Front/Rear	Side	
8615500	600	1200	500	8115235	8601600	8601050	8602600	8602050	1
8645500	600	1400	500	8145235	8601600	8601050	8602600	8602050	1
8665500	600	1600	500	8165235	8601600	8601050	8602600	8602050	1
8684500	600	1800	400	8184235	8601600	8601040	8602600	8602040	1
8685500	600	1800	500	8185235	8601600	8601050	8602600	8602050	1
8686500	600	1800	600	8186235	8601600	8601060	8602600	8602060	1
8604500	600	2000	400	8104235	8601600	8601040	8602600	8602040	1
8605500	600	2000	500	8105235	8601600	8601050	8602600	8602050	1
8606500	600	2000	600	8106235	8601600	8601060	8602600	8602060	1
8608500	600	2000	800	8108235	8601600	8601080	8602600	8602080	1
8626500	600	2200	600	8126235	8601600	8601060	8602600	8602060	1
8815500	800	1200	500	8115235	8601800	8601050	8602800	8602050	1
8845500	800	1400	500	8145235	8601800	8601050	8602800	8602050	1
8865500	800	1600	500	8165235	8601800	8601050	8602800	8602050	1
8884500	800	1800	400	8184235	8601800	8601040	8602800	8602040	1
8885500	800	1800	500	8185235	8601800	8601050	8602800	8602050	1
8880500	800	1800	500	8185235	8601800	8601050	8602800	8602050	2
8886500	800	1800	600	8186235	8601800	8601060	8602800	8602060	1
8881500	800	1800	600	8186235	8601800	8601060	8602800	8602060	2
8804500	800	2000	400	8104235	8601800	8601040	8602800	8602040	1
8805500	800	2000	500	8105235	8601800	8601050	8602800	8602050	1
8806500	800	2000	600	8106235	8601800	8601060	8602800	8602060	1
8808500	800	2000	800	8108235	8601800	8601080	8602800	8602080	1
8826500	800	2200	600	8126235	8601800	8601060	8602800	8602060	1
8828500	800	2200	800	8128235	8601800	8601080	8602800	8602080	1
8084500	1000	1800	400	8184235	8601000	8601040	8602000	8602040	1

\* Roller door enclosures available upon request

CAD drawings available from <http://rittal.partcommunity.com/portal/portal/rittal>

\* Add "RI" prefix to Model No.

## Freestanding Bayable Enclosures TS 8

Model No.	Width mm	Height mm	Depth mm	Side Panels	Base/Plinth 100mm		Base/Plinth 200mm		Door(s)
					Front/Rear	Side	Front/Rear	Side	
8080500	1000	1800	400	8184235	8601000	8601040	8602000	8602040	2
8005500	1000	2000	500	8105235	8601000	8601050	8602000	8602050	2
8006500	1000	2000	600	8106235	8601000	8601060	8602000	8602060	2
8215500	1200	1200	500	8115235	8601200	8601050	8602200	8602050	2
8245500	1200	1400	500	8145235	8601200	8601050	8602200	8602050	2
8265500	1200	1600	500	8165235	8601200	8601050	8602200	8602050	2
8284500	1200	1800	400	8184235	8601200	8601040	8602200	8602040	2
8285500	1200	1800	500	8185235	8601200	8601050	8602200	8602050	2
8286500	1200	1800	600	8186235	8601200	8601060	8602200	8602060	2
8204500	1200	2000	400	8104235	8601200	8601040	8602200	8602040	2
8205500	1200	2000	500	8105235	8601200	8601050	8602200	8602050	2
8206500	1200	2000	600	8106235	8601200	8601060	8602200	8602060	2
8208500	1200	2000	800	8108235	8601200	8601080	8602200	8602080	2
8226500	1200	2200	600	8126235	8601200	8601060	8602200	8602060	2
8288500	1200	2200	800	8128235	8601200	8601080	8602200	8602080	2



Add "RI" prefix to Model No.

## 304 Stainless Steel

Model No.	Width mm	Height mm	Depth mm	Side Panels	Base/Plinth 100mm		Base/Plinth 200mm		Door(s)
					Front/Rear	Side	Front/Rear	Side	
8457600	600	1800	500	8700850	8701600	8701050	8702600	8702050	1
8452600	600	2000	600	8700060	8701600	8701060	8702600	8702060	1
8454600	800	1800	400	8700840	8701800	8701040	8702800	8702040	1
8455600	800	1800	500	8700850	8701800	8701050	8702800	8702050	1
8450600	800	2000	600	8700060	8701800	8701060	8702800	8702060	1
8456600	1200	1800	400	8700840	8701200	8701040	8702200	8702040	2
8453600	1200	1800	500	8700850	8701200	8701050	8702200	8702050	2
8451600	1200	2000	600	8700060	8701200	8701060	8702200	8702060	2

\* Models available in 316 Stainless Steel  
Models available in NEMA 4X

\* Add "RI" prefix to Model No.

## Interior Installation



### System lights

#### LED system light

##### In 24 V (DC) version

- Max. EMC capacity
- Protected with the safety extra-low voltage range
- Economical energy use
- Low-maintenance due to use of LEDs
- May be connected to a door-operated switch
- Integral through-wiring
- Universal mounting options
- Pivoting light cone

##### Material:

- Light body: extruded aluminum
- Light cover: Polycarbonate (halogen-free)
- Light ends: PC-ABS

##### Color:

- Similar to RAL 7035

##### Protection category IP to IEC 60 529:

- IP 20

##### Supply includes:

- LED system light with clip and screw mounting kits plus assembly components

Model No.	4140.810	4140.820	4140.830	4140.840
Rated voltage	24 V (DC) (±10%)			
Number of LEDs	10	20	30	40
Protection category	III (SELV)			
Width (B1) inches (mm)	9 (230)	13 (330)	17 (430)	21 (530)
Mounting clearance, CLIP (B2) inches (mm)	7 (175)	11 (275)	15 (375)	19 (475)
Mounting clearance, screw fastening (B3) inches (mm)	10 (250)	14 (350)	18 (450)	22 (550)
Rated current A <sup>1)</sup>	0.04	0.08	0.12	0.16
Switch	Integrated, On/Off/Door-Operated Switch mode			

<sup>1)</sup> Maximum buying up to a total rated current strength of 2 amps



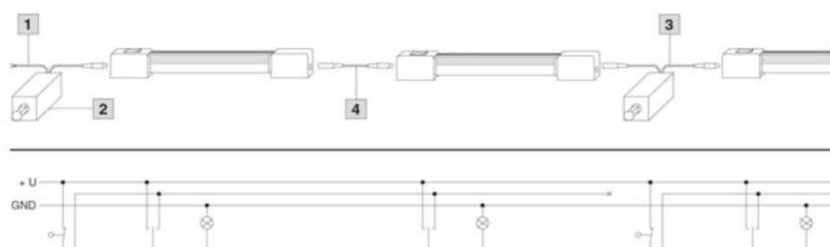
### Connection accessories

#### for LED system light

Connection cable	Length inches (mm)	Packs of	Model No.
1 LED connection cable	118 (3000)	1 pc(s).	4315.800
Door-operated switch	Length inches (mm)	Packs of	Model No.
2 With LED connection cable	118 (3000)	1 pc(s).	4315.810
3 With LED interconnecting cable	39 (1000)	1 pc(s).	4315.820
Interconnecting cable	Length inches (mm)	Packs of	Model No.
4 LED interconnecting cable	24 (600)	1 pc(s).	4315.830
	39 (1000)	1 pc(s).	4315.840
	118 (3000)	1 pc(s).	4315.850
Adapter power pack	Technical specifications	Packs of	Model No.
5 Adapter power pack	100 – 230 V/24 V (DC); 1 A	1 pc(s).	4315.860

#### Schematic diagram for LED system light 24 V (DC):

- 1 Connection cable
- 2 Door operated switch with LED connection cable (open end/cable bush)
- 3 Door operated switch with LED interconnecting cable
- 4 LED interconnecting cable for through-wiring





## LED System Lights



### Material:

- Light body: Extruded aluminium
- Light cover: Polycarbonate (halogen-free)
- Light ends: PC-ABS (halogen-free)

### Supply includes:

- Assembly screws

### Colour:

- RAL 7016

### Features:

- Fast, tool-free assembly, simply latch and secure
- May be fitted horizontally and vertically with no loss of space in the enclosure
- Lights with motion detectors are equipped with a rotating LED board as standard, allowing the light to be perfectly adapted to any installation situation
- Rotating connectors support installation in the most confined spaces
- Simple through-wiring based on the plug & play system

Model			2500100	2500110	2500200	2500220	2500100
Output (lumens)			400	600	900	900	1200
Length (mm)			262	337	437	437	437
Motion sensor			-	-	-	-	■
Rated operating voltage	100 - 240 V AC		■	■	■	-	■
	24 V AC		-	-	-	■	-
Equipment	Socket		-	-	-	-	-
	90° rotating connector		-	-	■	■	■
	Adjustable light direction		-	-	-	-	■
	Adjustable light distribution		-	-	■	■	■
Protection class			II (all-insulated)			III (SELV)	II (all-insulated)
Approvals	UL		■	-	■	■	■
	cUL		■	-	■	■	■
	CCC		■	■	■	-	■
	ENEC		■	■	■	■	■
Installation type	Screw fastening		■	■	■	■	■
	Clip attachment		■	■	■	■	■
	Magnetic		■	■	■	■	■
Connection options	Infeed		2-pole	2-pole	3-pole	2-pole	3-pole
	Through-wiring		2-pole	2-pole	3-pole	2-pole	3-pole
	Door-operated switch		■	■	■	■	-
Mounting options	Enclosures with a 25 mm pitch pattern	Screw fastening/clip	-	Directly on the profile	Directly on the profile	Directly on the profile	Directly on the profile
	AE	Screw-fastening	With universal bracket				
Accessories							
Universal bracket			2373000	2373000	2373000	2373000	2373000
Mounting kit magnet			2500480	2500480	2500480	2500480	2500480
Door-operated switch			2500460	2500460	2500460	2500460	-
Door-operated switch, UL			-	-	2500470	2500470	-
Connection accessories							
Infeed, 2 pole			2500420	2500420	-	2500410	2500420
Infeed, 3 pole			-	-	2500400	-	-
Infeed, 3-pole, ENEC, UL			-	-	2500500	-	-
Through-wiring, 2-pole			2500420	2500450	-	2500440	2500450
Through-wiring, 3-pole			-	-	2500430	-	-
Through-wiring, 3-pole, ENEC, UL			-	-	2500530	-	-

## Wall Mounted Cooling Units SK Blue E Air Conditioners

Wall Mounted Cooling Units offer top design, quality and performance with a host of assembly benefits. With the added option to mount the units externally, partial internally or fully internally in the enclosure, the available space is maximised.

There are seven models to choose from with nominal cooling outputs ranging from 300 to 4000 watts. They are also available in stainless steel for use with stainless steel enclosures. Additional accessories include door switches, which deactivate the unit when the doors are open, thereby helping to prevent condensation.

### Supply Includes

- Nano-coated condenser
- Integral electric condensate evaporation, 1000W units and above
- Fully wired ready for connection
- Drilling template
- Assembly parts



Mild Steel		Stainless Steel		Width mm	Height mm	Depth mm	Operating Voltage (V) (50/60Hz)	Cooling Output (W)*
Basic Control	Comfort Control	Basic Control	Comfort Control					
3302100	-	3302200	-	280	550	140	230	360
3302110	-	3302210	-	280	550	140	115	360
-	3303500	-	3303600	280	550	210	230	550
-	3303510	-	3303610	280	550	210	115	660
-	3361500	-	3361600	280	550	206	230	850
-	3361510	-	3361610	280	550	206	115	890
-	3361540	-	3361640	280	550	206	400	850
-	3304500	-	3304600	400	950	260	230	1100
-	3304510	-	3304610	400	950	260	115	1100
-	3304540	-	3304640	400	950	260	400/460	1100
-	3305500	-	3305600	400	950	260	230	1600
-	3305510	-	3305610	400	950	260	115	1600
-	3305540	-	3305640	400	950	260	400/460	1600
-	3328500	-	3328600	400	1580	295	230	2200
-	3328510	-	3328610	400	1580	295	115	2200
-	3328540	-	3328640	400	1580	295	400/460	2200
-	3329500	-	3329600	400	1580	295	230	2550
-	3329510	-	3329610	400	1580	295	115	2550
-	3329540	-	3329640	400	1580	295	400/460	2550
-	3332540	-	3332640	500	1580	340	400/460	3950

\*Total cooling output 50Hz L35 L35 to DIN EN 14511

Spare parts available from <http://rittal.com.au> >> Support>> Service>> Spare Parts

\* Add "RI" prefix to Model No.

## Roof Mounted Cooling Units SK

Roof Mounted Cooling Units offer top design, quality and performance with a host of assembly benefits and sophisticated air routing. These units allow maximum utilisation of the available space above the enclosure.

There are four models to choose from with nominal cooling outputs ranging from 500 to 4000 watts. They are also available in stainless steel for applications where corrosion resistance is required. Additional accessories including ducting kits and door switches aim to further maximise the efficiency of heat dissipation from the enclosure.

### Supply Includes

- Nano-coated condenser
- Integral electric condensate evaporation
- Fully wired ready for connection
- Drilling template
- Assembly parts




Mild Steel Comfort Control	Stainless Steel Comfort Control	Width mm	Height mm	Depth mm	Operating Voltage (V) (50/60Hz)	Cooling Output (W)*
3382500	3382600	597	417	380	230	550
3382510	3382610	597	417	380	115	550
3359500	3359600	597	417	380	230	770
3359510	3359610	597	417	380	115	770
3359540	3359640	597	417	380	400	770
3383500	3383600	597	417	475	230	1000
3383510	3383610	597	417	475	115	1000
3383540	3383640	597	417	475	400	1000
3384500	3384600	597	417	475	230	1500
3384510	3384610	597	417	475	115	1500
3384540	3384640	597	417	475	400	1500
3385500	3385600	597	417	475	230	2000
3385510	3385610	597	417	475	115	2000
3385540	3385640	597	417	475	400	2000
3386540	3386640	796	470	580	400/460	3000
3387540	3387640	796	470	580	400/460	3800

\*Total cooling output 50Hz L35 L35 to DIN EN 14511

## Accessories

### Air Duct System

Model No.	For Unit	Pack of	
3286870	3209.../ 3210.../ 3273.../ 3359.../ 3382.../ 3383.../ 3384.../ 3385...	1	
3286970	3386.../ 3387...	1	



External Circuit



Internal Circuit





## Top Therm Fans and Filters units



### Air Throughout

Fan and Filter Mat	Outlet Filter	Width (B1) mm	Height (H1) mm	Depth (T2) mm	Air Flow Rate (m³/h) Unimpeded	Voltage (V) (50/60Hz)	Rated Current A
3237100	3237200	116.5	116.5	43	20/25	230	0.065/0.052
3237110	3237200	116.5	116.5	43	20/25	115	0.12/0.10
3237124	3237200	116.5	116.5	43	20	24 (DC)	0.125
3238100	3238200	148.5	148.5	58.5	55/66	230	0.12/0.11
3238110	3238200	148.5	148.5	58.5	55/66	115	0.24/0.22
3238124	3238200	148.5	148.5	58.5	55	24 (DC)	0.23
3239100	3239200	204	204	90	105/120	230	0.12/0.11
3239110	3239200	204	204	90	105/120	115	0.24/0.22
3239124	3239200	204	204	90	105	24 (DC)	0.23
3240100	3240200	255	255	107	180/160	230	0.21/0.19
3240110	3240200	255	255	107	180/160	115	0.42/0.38
3240124	3240200	255	255	107	180	24 (DC)	0.43
3241100	3240200	255	255	107	230/250	230	0.26/0.24
3241110	3240200	255	255	107	230/250	115	0.52/0.48
3241124	3240200	255	255	107	230	24 (DC)	0.78
3243100	3243200	323	323	118.5	550/600	230	0.37/0.39
3243110	3243200	323	323	118.5	550/600	115	0.75/0.80
3244100	3243200	323	323	130.5	700/770	230	0.43/0.60
3244110	3243200	323	323	130.5	700/770	115	0.9/1.25
3244140	3243200	323	323	130.5	700/770	400/460	0.17/0.21

Special voltages available on request. We reserve the right to make technical modifications, EMC fans/filters available.

### Hose Proof Hood

Model No.	For Fan and Filter Unit	Width mm	Height mm	Depth mm
3237080	3237...	150	230	40
3238080	3238...	176	245	55
3239080	3239...	233	330	55
3240080	3240.../ 3241...	282	390	85
3243080	3243.../ 3244...	350	480	110
3245080	3245...	350	480	160



### Control/Regulation

Model No.	Description	Pack of
3110000	Thermostat	1
3118000	Hydrostat	1



**IP54**



Standard fan/filter

**IP55**



Fan/filter with fine filter

**IP56**



Fan/filter with fine filter mat and hose proof hood

## ABB AC500 - ECO PLC CPUS

Part Number	Inputs	Outputs	Analogue	P/Supply	Ethernet
ABPM554-TP	8 x 24V DC	6 x Transistor	NO	24V DC	NO
ABPM554-RP *	8 x 24V DC	6 x Relay	NO	24V DC	NO
ABPM554-RP-AC*	8 x 24V DC	6 x Relay	NO	240V AC	NO
ABPM554-TP-ETH	8 x 24V DC	6 x Transistor	NO	24V DC	YES
ABPM564-TP	6 x 24V DC	6 x Transistor	2 IN - 1 OUT	24V DC	NO
ABPM564-RP *	6 x 24V DC	6 x Relay	2 IN - 1 OUT	24V DC	NO
ABPM564-RP-AC *	6 x 24V DC	6 x Relay	2 IN - 1 OUT	240V AC	NO
ABPM564-TP-ETH	6 x 24V DC	6 x Transistor	2 IN - 1 OUT	24V DC	YES
ABPM564-RP-ETH	6 x 24V DC	6 x Relay	2 IN - 1 OUT	24V AC	YES
ABPM564-RP-ETH-AC *	6 x 24V DC	6 x Relay	2 IN - 1 OUT	240V AC	YES

\* Note Analogue Inputs on Eco PLCs 0-10V \* Outputs 0-10V - 4-20mA Outputs - Relay 2AMP - Transistor - .5AMP \* Terminal Strip Included



## AC500 ECO I/O

Part Number	Inputs	Outputs	Terminal Block Screw 9PIN	Terminal Block Screw 11 Pin
ABDI561*	8 x 24VDC	-	ABTA563-9	-
ABDI562 *	16 x 24VDC	-	ABTA563-9	ABTA563-11
ABDC532	16 x 24VDC	16 x 24VDC Transistor - Config.		ABTU515
ABDI571	8 x 110-240VAC	-	ABTA563-9	ABTA563-11
ABDO561	-	8 x 24VDC Transistor	-	ABTA563-11
ABDO571 *	-	8 x Relay	-	ABTA563-11
ABDO573	NEW	16 x Relay	ABTA563-9	ABTA563-11
ABDO572	-	8 x Triac	ABTA563-9	ABTA563-11
ABDX561	8 x 24VDC	8 x 24VDC Transistor	ABTA563-9	ABTA563-11
ABDX571 *	8 x 24VDC	8 x Relay	ABTA563-9	ABTA563-11
ABDC561	16 x 24VDC Config. or	16 x 24VDC Transistor - Config.	ABHE10-20	-
ABAI561 *	4 x Analogue 0-10V - 4-20Ma	-	ABTA563-9	ABTA563-11
ABA0561	-	2 x Analogue 0-10V - 4-20Ma	-	ABTA563-11
ABAX561	4 x Analogue 0-10V - 4-20Ma	2 x Analogue 0-10V - 4-20Ma	ABTA563-9	ABTA563-11
ABAI562	2 x PT100 RTD	-	-	ABTA563-11
ABAI563	4 x Thermocouple	-	ABTA563-9	ABTA563-11

## Accessories AC500 ECO

Part Number	
ABPS501-S	Software Control Builder AC500
ABMC502	SD Memory Card 512MB
ABMC503	SD Memory Card Adapter
ABTA561-RTC	AC500 ECO Real Time Clock (No Battery included)
ABTA562-RS-RTC	AC500 ECO RS485 Serial Com Card with RTC (No Battery included)
ABTK503	Programme cable - USB to D Connection 9 Pin - RS485
ABTK504	Programme Cable - USB to RS485 Terminal Block
ABTA562-RS	RS485 Adapter "COM 2"

## Power Supplies to Suit AC ECO 500

Part Number		Amps
ABCPE24/0.75	Single Phase - 24VDC	0.75
ABCPE24/1.25	Single Phase - 24VDC	1.25
ABCPE24/2.5	Single Phase - 24VDC	2.5
ABCPE24/5	Single Phase - 24VDC	5



## AC500 Notes

- \* Programming memory 128KB
- \* Integrated memory 14KB - 2KB saved
- \* Max I/O Modules on Base CPU unit 10
- \* Max I/O on CS31 Bus - 31 stations
- \* Real Time Clock Option
- \* RS485 - Modbus - ASCII - CS31
- \* PM 564 Analogue inputs can be configured as Digital Inputs
- \* **Common Items**

## ABB - CP-TFT Colour Touch HMI

### CP600 HMI - TFT Colour Touch HMI

Part Number	Screen Size	Screen	Supply	Connection
ABCP620	TFT Colour 4.3"	Touch	24VDC	Serial-Ethernet
ABCP630	TFT Colour 5.7"	Touch	24VDC	Serial-Ethernet
ABCP635	TFT Colour 7"	Touch	24VDC	Serial-Ethernet
ABCP651	TFT Colour 10.4"	Touch	24VDC	Serial-Ethernet
ABCP661	TFT Colour 12.1"	Touch	24VDC	Serial-Ethernet
ABCP676	TFT Colour 15"	Touch	24VDC	Serial-Ethernet

### CP600 Accessories

Part Number	
ABTK681	RS232 Comms Cable
ABTK682	RS485 Comms Cable
ABPB610	Panel Builder 600 Software





## PSR Soft Starters

c/w inbuilt bypass Contactor

Part Number			Amps	Contactor	Breaker
ABPSR6-600-70	SOFT STARTER	3 kW	6.8	AF9	ABMS13210
ABPSR12-600-70	SOFT STARTER	5.5 kW	12	AF12	ABMS13216
ABPSR16-600-70	SOFT STARTER	7.5 kW	16	AF16	ABMS13220
ABPSR25-600-70	SOFT STARTER	12.5 kW	25	AF26	ABMS13232
ABPSR30-600-70	SOFT STARTER	15 kW	30	AF30	ABMS13232
ABPSR37-600-70	SOFT STARTER	18 kW	37	AF38	ABMS16542
ABPSR45-600-70	SOFT STARTER	22 kW	45	AF52	ABMS16554
ABPSR60-600-70	SOFT STARTER	30kW	60	AF65	ABMS16565
ABPSR72-600-70	SOFT STARTER	37kW	72	AF80	ABMS49575
ABPSR85-600-70	SOFT STARTER	45kW	85	AF96	ABMS49540
ABPSR105-600-70	SOFT STARTER	55kW	105	AF116	AB1SDA068281R1



## Digital PSE Soft Starters

c/w inbuilt bypass Contactor & Motor Overload

Part Number			Amps	Contactor	Breaker
ABPSE18-600-70	SOFT STARTER	7.5KW	18	AF26	ABMS13220
ABPSE25-600-70	SOFT STARTER	11kW	25	AF26	ABMS13232
ABPSE30-600-70	SOFT STARTER	15kW	30	AF30	ABMS13232
ABPSE37-600-70	SOFT STARTER	18.5kW	37	AF38	ABMS16542
ABPSE45-600-70	SOFT STARTER	22kW	45	AF52	ABMS16554
ABPSE60-600-70	SOFT STARTER	30kW	60	AF65	ABMS16565
ABPSE72-600-70	SOFT STARTER	37kW	72	AF80	ABMS49575
ABPSE85-600-70	SOFT STARTER	45kW	85	AF96	ABMS49590
ABPSE105-600-70	SOFT STARTER	55kW	105	AF116	AB1SDA068281R1
ABPSE142-600-70	SOFT STARTER	75kW	140	AF140	AB1SDA068282R1
ABPSE170-600-70	SOFT STARTER	90kW	170	AF190	AB1SDA068480R1
ABPSE210-600-70	SOFT STARTER	110kW	210	AF205	AB1SDA068480R1
ABPSE250-600-70	SOFT STARTER	132kW	250	AF265	AB1SDA054134R1
ABPSE300-600-70	SOFT STARTER	160kW	305	AF305	AB1SDA054351R1
ABPSE370-600-70	SOFT STARTER	200kW	370	AF370	AB1SDA054413R1



## PSTX

c/w inbuilt bypass Contactor & Motor Overload

Part Number			Amps	Contactor	Breaker
ABPSTX30-600-70	SOFT STARTER	15 kW	30	AF30	ABMS16532
ABPSTX37-600-70	SOFT STARTER	18.5 kW	37	AF38	ABMS16542
ABPSTX45-600-70	SOFT STARTER	22 kW	45	AF52	ABMS16554
ABPSTX60-600-70	SOFT STARTER	30 kW	60	AF65	ABMS16565
ABPSTX72-600-70	SOFT STARTER	37 kW	72	AF80	ABMS49575
ABPSTX85-600-70	SOFT STARTER	45 kW	85	AF96	ABMS49590
ABPSTX105-600-70	SOFT STARTER	55 kW	105	AF116	AB1SDA068281R1
ABPSTX142-600-70	SOFT STARTER	75 kW	140	AF140	AB1SDA068282R1
ABPSTX170-600-70	SOFT STARTER	90 kW	170	AF190	AB1SDA068480R1
ABPSTX210-600-70	SOFT STARTER	110 kW	210	AF205	AB1SDA068480R1
ABPSTX250-600-70	SOFT STARTER	132 kW	250	AF265	AB1SDA054134R1
ABPSTX300-600-70	SOFT STARTER	160 kW	300	AF305	AB1SDA054351R1
ABPSTX370-600-70	SOFT STARTER	200 kW	370	AF370	AB1SDA054413R1



## PSTB

c/w inbuilt bypass Contactor & Motor Overload

Part Number			Amps	Contactor	Breaker
ABPSTB470-600-70	SOFT STARTER	250 kW	470	AF580	AB1SDA054413R1
ABPSTB570-600-70	SOFT STARTER	315 kW	570	AF580	AB1SDA054413R1
ABPSTB700-600-70	SOFT STARTER	400 kW	720	AF750	AB1SDA060562R1
ABPSTB840-600-70	SOFT STARTER	450 kW	840	AF1350	AB1SDA062769R1
ABPSTB1050-600-70	SOFT STARTER	560 kW	1050	AF1350	POA

\* ALL ABOVE CONTROL VOLTAGE - 100-250VAC (PSR ALSO AVAILABLE IN 24VDC - ADD 81 TO PART NO

NOTE THESE PRODUCTS ARE A GUIDE ONLY - PLEASE CHECK FULL LOAD CURRENT OF MOTOR AND DUTY CYCLE

SEMI CONDUCTOR FUSES & RECOMMENDED



## Component Drive

### 01E - 24 Volts

Part Number		Amps	kW	Volts	SIZE
AB68581940	ACS150-01E-02A4-2	2.4	0.37	240V	R0
AB68581966	ACS150-01E-04A7-2	4.7	0.75	240V	R1
AB68581974	ACS150-01E-06A7-2	6.7	1.1	240V	R1
AB68581982	ACS150-01E-07A5-2	7.5	1.5	240V	R2
AB68581991	ACS150-01E-09A8-2	9.8	2.2	240V	R2



## Component Drive

### 01E - 480 Volts

Part Number		SD kW	HD AMPS	HD kW	SIZE
AB68581737	ACS150-03E-01A2-4	1.2	0.37	480V	R0
AB68581745	ACS150-03E-01A9-4	1.9	0.55	480V	R0
AB68581753	ACS150-03E-02A4-4	2.4	0.75	480V	R0
AB68581761	ACS150-03E-03A3-4	3.3	1.1	480V	R1
AB68581788	ACS150-03E-04A1-4	4.1	1.5	480V	R1
AB68581796	ACS150-03E-05A6-4	5.6	2.2	480V	R1
AB68581800	ACS150-03E-07A3-4	7.3	3	480V	R1
AB68581818	ACS150-03E-08A8-4	8.8	4	480V	R1



## Accessories - ACS150

Part Number	
AB64532871	DRIVE WINDOW LIGHT - SOFTWARE WITH CABLE
AB68226716	ACS 50/55 POTENTIOMETER
AB68911362	DRIVE CONFIG. KIT SERIAL
AB68973988	DRIVE CONFIG KIT USB
AB68566398	NEMA 1 KIT FOR 150 DRIVES



## 200-240VAC Single Phase Input IP20

### Standard Range

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000031872_S	ACS380-040S-02A4-1	2.4	0.37	1.8	0.25	R0
AB3AXD50000031873_S	ACS380-040S-03A7-1	3.7	0.55	2.4	0.37	R0
AB3AXD50000031874_S	ACS380-040S-04A8-1	4.8	0.75	3.7	0.55	R1
AB3AXD50000031875_S	ACS380-040S-06A9-1	6.9	1.1	4.8	0.75	R1
AB3AXD50000031876_S	ACS380-040S-07A8-1	7.8	1.5	6.9	1.1	R1
AB3AXD50000031877_S	ACS380-040S-09A8-1	9.8	2.2	7.8	1.5	R2
AB3AXD50000031878_S	ACS380-040S-12A2-1	12.2	3	9.8	2.2	R2



## 380-480VAC 3 Phase Input IP20

### Standard Range

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000031886_S	ACS380-040S-01A8-4	1.8	0.55	1.2	0.37	R0
AB3AXD50000031887_S	ACS380-040S-02A6-4	2.6	0.75	1.8	0.55	R1
AB3AXD50000031888_S	ACS380-040S-03A3-4	3.3	1.1	2.6	0.75	R1
AB3AXD50000031889_S	ACS380-040S-04A0-4	4	1.5	3.3	1.1	R1
AB3AXD50000031890_S	ACS380-040S-05A6-4	5.6	2.2	4	1.5	R1
AB3AXD50000031891_S	ACS380-040S-07A2-4	7.2	3	5.6	2.2	R1
AB3AXD50000031892_S	ACS380-040S-09A4-4	9.4	4	7.2	3	R1
AB3AXD50000031893_S	ACS380-040S-12A6-4	12.6	5.5	9.4	4	R2
AB3AXD50000031894_S	ACS380-040S-17A0-4	17	7.5	12.6	5.5	R3
AB3AXD50000031895_S	ACS380-040S-25A0-4	25	11	17	7.5	R3



## 200-240VAC Single Phase Input IP20

### Network Range - with Ethernet IP/Profinet/Modbus TCP

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000031817_E	ACS380-040C-02A4-1+K475	2.4	0.37	1.8	0.25	R0
AB3AXD50000031818_E	ACS380-040C-03A7-1+K475	3.7	0.55	2.4	0.37	R0
AB3AXD50000031819_E	ACS380-040C-04A8-1+K475	4.8	0.75	3.7	0.55	R1
AB3AXD50000031820_E	ACS380-040C-06A9-1+K475	6.9	1.1	4.8	0.75	R1
AB3AXD50000031841_E	ACS380-040C-07A8-1+K475	7.8	1.5	6.9	1.1	R1
AB3AXD50000031842_E	ACS380-040C-09A8-1+K475	9.8	2.2	7.8	1.5	R2
AB3AXD50000031843_E	ACS380-040C-12A2-1+K475	12.2	3	9.8	2.2	R2



\* Note Drive comes with basic control panel & dual port RJ45 Comms - Note NO-4-20 - 0-10 Input Ref 2 Digital in 1 - Relay out

## 380-480VAC Single Phase Input IP20

### Network Range - with Ethernet IP/Profinet/Modbus TCP

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000031851_E	ACS380-040C-01A8-4+K475	1.8	0.55	1.2	0.37	R0
AB3AXD50000031852_E	ACS380-040C-02A6-4+K475	2.6	0.75	1.8	0.55	R1
AB3AXD50000031853_E	ACS380-040C-03A3-4+K475	3.3	1.1	2.6	0.75	R1
AB3AXD50000031854_E	ACS380-040C-04A0-4+K475	4	1.5	3.3	1.1	R1
AB3AXD50000031855_E	ACS380-040C-05A6-4+K475	5.6	2.2	4	1.5	R1
AB3AXD50000031856_E	ACS380-040C-07A2-4+K475	7.2	3	5.6	2.2	R1
AB3AXD50000031857_E	ACS380-040C-09A4-4+K475	9.4	4	7.2	3	R1
AB3AXD50000031858_E	ACS380-040C-12A6-4+K475	12.6	5.5	9.4	4	R2
AB3AXD50000031859_E	ACS380-040C-17A0-4+K475	17	7.5	12.6	5.5	R3
AB3AXD50000031860_E	ACS380-040C-25A0-4+K475	25	11	17	7.5	R3

\* Note Drive comes with basic control panel & dual port RJ45 Comms - Note - NO-4-20-0-10V Input Ref 2 Digital in 1 - Relay out



## ACS380 Accessories

Part Number	
AB3AUA0000088311	ACS-AP-I Assistant control panel "All compatible"
AB3AUA0000064884	ACS-AP-S Assistant control panel ACS380 only
AB3AXD50000025965	ACS-AP-W (Blue Tooth Control panel)
AB3AXD50000019865	CCA-01 - Cold Configurator adapter
AB3AXD50000032449	BCBL-01- PC cable RJ45 to USB



## Ordering variants

### Connectivity type

ACS380-04xS	I/O and Modbus -variant
ACS380-04xC	Configured variant
ACS380-04xC-xxxx-x+K454	PROFIBUS DP protocol configured
ACS380-04xC-xxxx-x+K457	CANopen® protocol configured
ACS380-04xC-xxxx-x+K469	EtherCAT® protocol configured
ACS380-04xC-xxxx-x+K475	Profinet I/O protocol configured. Ethernet/IP™ and Modbus TCP also built-in.
ACS380-040xC-xxxx-x+K470	Ethernet POWERLINK variant

### EMC filtering level

ACS380-040x	EMC category C3 (400 V) or C4 (230 V)
ACS380-042x	EMC category C2

## ACS380 Dimensions

ACS380 IP20				
Frames	Height mm	Width mm	Depth mm	Weight kg
R0	223	70	174	1.4
R1	223	70	174	1.6
R2	223	95	174	1.9
R3	223	169	174	3.0
R4	223	260	174	5.8



## 380 - 480VAC 3 Phase Input IP20

### Standard Range

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000047765	ACS480-04-02A7-4+J400	2.5	0.75	1.8	0.55	R1
AB3AXD50000047766	ACS480-04-03A4-4+J400	3.1	1.1	2.6	0.75	R1
AB3AXD50000047767	ACS480-04-04A1-4+J400	3.8	1.5	3.3	1.1	R1
AB3AXD50000047768	ACS480-04-05A7-4+J400	5.3	2.2	4	1.5	R1
AB3AXD50000047769	ACS480-04-07A3-4+J400	6.8	3	5.6	2.2	R1
AB3AXD50000047770	ACS480-04-09A5-4+J400	8.9	4	7.2	3	R1
AB3AXD50000047791	ACS480-04-12A7-4+J400	12	5.5	9.4	4	R2
AB3AXD50000047792	ACS480-04-018A-4+J400	16.2	7.5	12.6	5.5	R3
AB3AXD50000047793	ACS480-04-026A-4+J400	23.8	11	17	7.5	R3
AB3AXD50000199068	ACS480-04-033A-4+J400	30.5	15	25	11	R4
AB3AXD50000199075	ACS480-04-039A-4+J400	36	18.5	32	15	R4
AB3AXD50000199082	ACS480-04-046A-4+J400	42.8	22	38	18.5	R4
AB3AXD50000199099	ACS480-04-050A-4+J400	48	22	45	22	R4

Comes with ACS-APS Control Panel - Safe Torque off 4-20 0-10V , Input - Modbus RTU - I/O Module

### ACS480 Accessories

Part Number	
AB3AUA0000064884	ASSISTANT CONTROL PANEL ACS-AP-S
AB3AXD50000025965	BLUETOOTH CONTROL PANEL ACS-AP-W

### ACS480 Communication Modules

Part Number	
AB68469325	PROFIBUS DP/DPVO/DPV1 - FPBA01
AB3AUA0000089107	1 PORT ETHERNET IP/MODBUS/TCP/PROFNET I/O FENA11
AB3AUA0000089109	2 PORT ETHERNET IP/MODBUS/TCP/PROFNET 10 FENA21

### ACS480 OEM Communication Modules

Part Number	
AB68469376	FCAN-01 - CanOpen
AB3AUA0000031336	FSCA-01 - Modbus RTU
AB68469325	FPBA-01 - Profibus DP
AB3AUA0000072069	FECA-01 - EtherCAT
AB3AUA0000072120	FEPL-02 - POWERLINK
AB3AUA0000037539	FLON-01 - LONWORKS
AB68469341	FDNA-01 - DeviceNet
AB3AUA0000094512	FCNA-01 - ControlNet
AB3AXD50000192786	FEIP-21 - Ethernet/IP
AB3AXD50000049964	FMBT-21 - Modbus/TCP
AB3AXD50000192779	FPNO-21 - Profinet IO
AB3AXD50000112821	FSPS-21 - ProfiSafe over Profinet

### ACS480 Dimensions

ACS480 IP20								
Frames	Height*		Width		Depth		Weight	
	(mm)	in	mm	in	mm	in	kg	lb
R1	223.0	8.78	73.0	2.87	207.1	8.15	1.77	3.90
R2	223.0	8.78	96.6	3.80	207.1	8.15	2.35	5.19
R3	220.0	8.66	171.7	6.76	207.1	8.15	3.52	7.76
R4	240.0	9.45	260.0	10.24	212.1	8.35	6.02	13.28

\* Footprint height of the drive with clamp





## ACS580 - 380 - 415V Input - IP21

### Standard Range

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000038937	ACS580-01-02A7-4+J400	2.5	0.75	1.8	0.55	R1
AB3AXD50000038938	ACS580-01-03A4-4+J400	3.1	1.1	2.6	0.75	R1
AB3AXD50000038939	ACS580-01-04A1-4+J400	3.8	1.5	3.3	1.1	R1
AB3AXD50000038940	ACS580-01-05A7-4+J400	5.3	2.2	4	1.5	R1
AB3AXD50000038951	ACS580-01-07A3-4+J400	6.8	3	5.6	2.2	R1
AB3AXD50000038952	ACS580-01-09A5-4+J400	8.9	4	7.2	3	R1
AB3AXD50000038953	ACS580-01-12A7-4+J400	12	5.5	9.4	4	R1
AB3AXD50000038959	ACS580-01-018A-4+J400	16.2	7.5	12.6	5.5	R2
AB3AXD50000038960	ACS580-01-026A-4+J400	23.8	11	17	7.5	R2
AB3AXD50000038961	ACS580-01-033A-4+J400	30.4	15	24.6	11	R3
AB3AXD50000038962	ACS580-01-039A-4+J400	36.1	18.5	31.6	15	R3
AB3AXD50000038963	ACS580-01-046A-4+J400	42.8	22	37.7	18.5	R3
AB3AUA0000080498	ACS580-01-062A-4+J400	58	30	45	22	R4
AB3AUA0000080499	ACS580-01-073A-4+J400	68	37	61	30	R4
AB3AUA0000080502	ACS580-01-088A-4+J400	83	45	72	37	R5
AB3AUA0000080503	ACS580-01-106A-4+J400	100	55	87	45	R5
AB3AUA0000080504	ACS580-01-145A-4+J400	138	75	105	55	R6
AB3AUA0000080505	ACS580-01-169A-4+J400	161	90	145	75	R7
AB3AUA0000080506	ACS580-01-206A-4+J400	196	110	169	90	R7
AB3AUA0000080507	ACS580-01-246A-4+J400	234	132	206	110	R8
AB3AUA0000080508	ACS580-01-293A-4+J400	278	160	246	132	R8
AB3AUA0000080509	ACS580-01-363A-4+J400	345	200	293	160	R9
AB3AUA0000080510	ACS580-01-430A-4+J400	428	250	363	200	R9



## ACS580 - 380 - 415V Input - IP55

### Standard Range

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000038964	ACS580-01-02A7-4+B056	2.5	0.75	1.8	0.55	R1
AB3AXD50000038965	ACS580-01-03A4-4+B056	3.1	1.1	2.6	0.75	R1
AB3AXD50000038966	ACS580-01-04A1-4+B056	3.8	1.5	3.3	1.1	R1
AB3AXD50000038967	ACS580-01-05A7-4+B056	5.3	2.2	4	1.5	R1
AB3AXD50000038968	ACS580-01-07A3-4+B056	6.8	3	5.6	2.2	R1
AB3AXD50000038969	ACS580-01-09A5-4+B056	8.9	4	7.2	3	R1
AB3AXD50000038970	ACS580-01-12A7-4+B056	12	5.5	9.4	4	R1
AB3AXD50000038976	ACS580-01-018A-4+B056	16.2	7.5	12.6	5.5	R2
AB3AXD50000038977	ACS580-01-026A-4+B056	23.8	11	17	7.5	R2
AB3AXD50000038978	ACS580-01-033A-4+B056	30.4	15	24.6	11	R3
AB3AXD50000038979	ACS580-01-039A-4+B056	36.1	18.5	31.6	15	R3
AB3AXD50000038980	ACS580-01-046A-4+B056	42.8	22	37.7	18.5	R3
AB3AUA0000083573	ACS580-01-062A-4+B056+J40	58	30	45	22	R4
AB3AUA0000083574	ACS580-01-073A-4+B056+J40	68	37	61	30	R4
AB3AUA0000083577	ACS580-01-088A-4+B056+J40	83	45	72	37	R5
AB3AUA0000083578	ACS580-01-106A-4+B056+J40	100	55	87	45	R5
AB3AUA0000083579	ACS580-01-145A-4+B056+J40	138	75	105	55	R6
AB3AUA0000083580	ACS580-01-169A-4+B056+J40	161	90	145	75	R7
AB3AUA0000083581	ACS580-01-206A-4+B056+J40	196	110	169	90	R7
AB3AUA0000083582	ACS580-01-246A-4+B056+J40	234	132	206	110	R8
AB3AUA0000083583	ACS580-01-293A-4+B056+J40	278	160	246	132	R8
AB3AUA0000083584	ACS580-01-363A-4+B056+J40	345	200	293	160	R9
AB3AUA0000083585	ACS580-01-430A-4+B056+J40	428	250	363	200	R9



\* SD = Standard Duty - HD = Heavy Duty \* NOTE - \*Part numbers above include Assistant Control Panel\* No manuals provided online link to manuals -

## ACS580 Accessories

### Control Panel Options

#### Part Number

AB3AUA0000064884	ASSISTANT CONTROL PANEL	ACS-AP-S
AB3AXD50000009843	BLANK CONTROL PANEL (NO CONTROL PANEL DELIVERED)	CDUM-01
AB3AXD50000004419	PANEL BUS ADAPTER (NO CONTROL PANEL DELIVERED)	CDPI-01
AB3AUA0000108878	CONTROL PANEL MOUNTING PLATFORM (FLUSH MOUNTED , REQUIRES ALSO PANEL BUS ADAPTER ON THE DRIVE)	DPMP-01
AB3AXD50000009374	CONTROL PANEL MOUNTING PLATFORM (SURFACE MOUNTED, REQUIRES ALSO PANEL BUS ADAPTER ON THE DRIVE)	DPMP-02
AB3AXD50000010763	COMBINED PANEL BUS ADAPTER AND PANEL PLATFORM KIT	CDPI-01+DPMP-02



## Fieldbus Adapters

#### Part Number

AB68469325	PROFIBUS DP, DPV0/DPV1	FPBA-01
AB68469376	CANOPEN	FCAN-01
AB68469341	DEVICENET	FDNA-01
AB3AUA0000089107	ETHERNET/IP, MODBUS TCP, PROFINET IO	FENA-11
AB3AUA0000089109	TWO PORT ETHERNET/IP MODBUS TCP, PROFINET IO	FENA-21
AB3AUA0000072069	ETHERCAT	FECA-01
AB3AUA0000031336	MODBUS RTU	FSCA-01
AB3AUA0000072120	POWERLINK	FEPL-02
AB3AUA0000094512	CONTROLNET	FCNA-01



## I/O Options

#### Part Number

AB3AXD50000004420	EXTERNAL 24 V AC AND DC 2 X RO AND 1 X DO	CMOD-01
AB3AXD50000004418	EXTERNAL 24V DC/AC & ISOLATED PTC INTERFACE WITH CAPACITY TO TRIGGER	CMOD-02



## Remote Monitoring Option

#### Part Number

AB3AUA0000094517	2 X PANEL BUS INTERFACE, 2 X 32 = MAX.64 DRIVES, 2 X ETHERNET INTERFACE SD MEMORY CARD, USB PORT FOR WLAN/3G	NETA-21
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## ACS580 Dimensions

ACS580-01 IP21										
Frames	Height				Width				Depth	
	H1* (mm)	in	H2** (mm)	in	mm	in	mm	in	kg	lb
R1	355	14.0	301	11.9	125	4.9	223	8.8	4.6	10.1
R2	449	17.7	394	15.5	125	4.9	229	8.9	7.5	16.6
R3	454	17.9	454	17.9	203	8.0	228	9	13.8	30.4
R4	600	23.6	600	23.6	203	8.0	258	10.2	19.0	41.9
R5	732	28.8	596	23.5	203	8.0	295	11.6	28.5	62.4
R6	727	28.6	549	21.6	252	9.9	369	14.5	45	99.2
R7	880	34.7	601	23.7	284	11.2	370	14.6	54	119.1
R8	965	38.0	677	26.7	300	11.8	393	15.5	69	152.2
R9	955	37.6	680	26.8	380	15.0	418	16.5	97	213.9

\* Front height of the drive with glandbox  
\*\* Front height of the drive without glandbox



ACS580-01 IP55 (option +B056)										
Frames	Height*				Width				Depth	
	mm	in	mm	in	mm	in	mm	in	kg	lb
R1	387	15.2	125	4.9	233	9.2	5.1	11.3		
R2	481	18.9	125	4.9	239	9.4	6.7	14.8		
R3	456	18.0	206	8.1	237	9.3	13.0	28.7		
R4	600	23.6	203	8.0	265	10.2	20	44.1		
R5	732	28.8	203	8.0	320	12.6	29	64.0		
R6	726	28.6	252	9.9	380	15.0	43	94.8		
R7	880	34.6	284	11.2	381	15.0	56	123.5		
R8	965	38.0	300	11.8	452	17.8	77	169.8		
R9	955	37.6	380	15.0	477	18.78	103	227.1		

\* Front height of the drive with glandbox



## ACH580

Part Number		SD AMPS	SD kW	HD AMPS	HD kW	SIZE
AB3AXD50000038998	ACH580-01-02A7-4+B056+J40	2.5	0.75			R1
AB3AXD50000038999	ACH580-01-03A4-4+B056+J40	3.1	1.1			R1
AB3AXD50000039000	ACH580-01-04A1-4+B056+J40	3.8	1.5			R1
AB3AXD50000039001	ACH580-01-05A7-4+B056+J40	5.3	2.2			R1
AB3AXD50000039002	ACH580-01-07A3-4+B056+J40	6.8	3			R1
AB3AXD50000039003	ACH580-01-09A5-4+B056+J40	8.9	4			R1
AB3AXD50000039004	ACH580-01-12A7-4+B056+J40	12	5.5			R1
AB3AXD50000039010	ACH580-01-018A-4+B056+J40	16.2	7.5			R2
AB3AXD50000039011	ACH580-01-026A-4+B056+J40	23.8	11			R2
AB3AXD50000039012	ACH580-01-033A-4+B056+J40	30.4	15			R3
AB3AXD50000039013	ACH580-01-039A-4+B056+J40	36.1	18.5			R3
AB3AXD50000039014	ACH580-01-046A-4+B056+J40	42.8	22			R3
AB3AUA0000083598	ACH580-01-062A-4+B056+J40	58	30			R4
AB3AUA0000083599	ACH580-01-073A-4+B056+J40	68.4	37			R4
AB3AUA0000083602	ACH580-01-088A-4+B056+J40	82.7	45			R5
AB3AUA0000083603	ACH580-01-106A-4+B056+J40	100	55			R5
AB3AUA0000083604	ACH580-01-145A-4+B056+J40	138	75			R6
AB3AUA0000083605	ACH580-01-169A-4+B056+J40	161	90			R7
AB3AUA0000083606	ACH580-01-206A-4+B056+J40	196	110			R7
AB3AUA0000083607	ACH580-01-246A-4+B056+J40	234	132			R8
AB3AUA0000083608	ACH580-01-293A-4+B056+J40	278	160			R8
AB3AUA0000083609	ACH580-01-363A-4+B056+J40	345	200			R9
AB3AUA0000083610	ACH580-01-430A-4+B056+J40	400	250			R9



## Control Panel Options

Part Number		
AB3AXD50000030358	CONTROL PANEL WITH BLUETOOTH	ACH-AP-W
AB3AXD50000009843	BLANK CONTROL PANEL (NO CONTROL PANEL DELIVERED)	CDUM-01
AB3AXD50000004419	PANEL BUS ADAPTER (NO CONTROL PANEL DELIVERED)	CDPI-01
AB3AUA0000108878	CONTROL PANEL MOUNTING PLATFORM (FLUSH MOUNTED , REQUIRES ALSO PANEL BUS ADAPTER ON THE DRIVE)	DPMP-01
AB3AXD50000009374	CONTROL PANEL MOUNTING PLATFORM (SURFACE MOUNTED, REQUIRES ALSO PANEL BUS ADAPTER ON THE DRIVE)	DPMP-02
AB3AXD50000010763	COMBINED PANEL BUS ADAPTER AND PANEL PLATFORM KIT	CDPI-01+DPMP-02
AB3AXD50000004398	HVAC CONTROL PANEL (STANDARD) COMES WITH DRIVE	ACH-AP-H



## Fieldbus Adapters

Part Number		
AB68469325	PROFIBUS DP, DPV0/DPV1	FPBA-01
AB68469376	CANOPEN	FCAN-01
AB68469341	DEVICENET	FDNA-01
AB3AUA0000089107	ETHERNET/IP, MODBUS TCP, PROFINET IO	FENA-11
AB3AUA0000089109	TWO PORT ETHERNET/IP MODBUS TCP, PROFINET IO	FENA-21
AB3AUA0000072069	ETHERCAT	FECA-01
AB3AUA0000031336	MODBUS RTU	FSCA-01
AB3AUA0000072120	POWERLINK	FEPL-02
AB3AUA0000094512	CONTROLNET	FCNA-01
AB3AXD50000023864	BACNET/IP/2PORT	FBIP-21



## I/O Options

### Part Number

AB3AXD50000004420	EXTERNAL 24 V AC AND DC 2 X RO AND 1 X DO	CMOD-01
AB3AXD50000004418	EXTERNAL 24V DC/AC & ISOLATED PTC INTERFACE WITH CAPACITY TO TRIGGER	CMOD-02



## Remote Monitoring Option

### Part Number

AB3AUA0000094517	2 X PANEL BUS INTERFACE, 2 X 32 = MAX.64 DRIVES, 2 X ETHERNET INTERFACE SD MEMORY CARD, USB PORT FOR WLAN/3G	NETA-21
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## ACH580 Dimensions

### ACH580-01, wall-mounted frames IP55

Frames IP55	Height		Width		Depth		Weight	
	H1* (mm)	H2** (mm)	in	mm	in	mm	kg	lb
R1	303	303	11.9	125	4.9	222	5.1	11.16
R1	303	303	11.9	125	4.9	233	5.5	12.08
R2	394	394	15.5	125	4.9	239	7.8	17.22
R3	454	454	17.9	203	8	237	15.1	33.32
R4	600	600	23.6	203	8	265	20	44.10
R5	732	596	28.3	203	8	320	29	64
R6	727	549	28.6	252	9.9	380	46	101.43
R7	880	601	34.6	284	11.2	381	56	123.48
R8	965	677	38	300	11.8	452	77	169.8
R9	955	680	37.6	380	15	477	103	227.1

\* Front height of the drive with glandbox

\*\* Front height of the drive without glandbox



## 5SX

### Line Interactive R/T UPS, High Power Density, 2yr Warranty

Part Number		Back up Time	Dimension
BCPW100037	5SX 1250VA / 230V Rack/Tower 2U	5 / 15	6 441 x 509 x 87, 25kg
BCPW100038	5SX 1750VA / 230V Rack/Tower 2U	3.5 / 9.5	6 441 x 509 x 87, 27kg
BCPW100039	5SX 3000VA / 230V Rack/Tower 2U	3 / 10	6 441 x 634 x 87, 34 kg

Note: \*2200/3000VA units require input cable 6E1619 (15A 3 pin to IEC15A, 2m) to be ordered separately. 2 x 10 A IEC output cords, retaining clips, USB Cable, Serial Cable, Software CD & Manual supplied. Rail Kits & Pedestal feet included as standard with 2U models. Rail kits are optional extra for 3U models.



## 913 Series - Industrial Tower

### On Line full featured UPS - High Power Density

Part Number		Back up Time	Dimension
BCPW87512	9130 700VA/630W On Line Tower UPS	6 / 11	18 160 x 355 x 250, 12.2 kg
BCPW87514B	9130 1000VA/900W On Line Tower UPS	7 / 14	18 160 x 383 x 250, 14.5 kg
BCPW87516	9130 1500VA/1350W On Line Tower UPS	5 / 14	18 160 x 435 x 250, 19.0 kg
BCPW87517	9130 2000VA/1800W On Line Tower UPS	10 / 24	12 214 x 410 x 345, 34.5 kg
BCPW87520	9130 3000VA/2700W On Line Tower UPS	5 / 14	12 214 x 410 x 345, 34.5 kg
BCPW87529	9130 6000VA/5400W On Line Tower UPS	6 / 19	2 242 x 542 x 575, 75.5kg



### Hard Wiring Kits (240V Tower Units Only)

Part Number	
BCPW87551	Hard wired field conversion Kit for 9130 700-1500VA
BCPW87552	Hard wired field conversion Kit for 9130 2000VA
BCPW87553	Hard wired field conversion Kit for 9130 3000VA

### Extended Battery Modules - Standard matching cabinets

Part Number		Back up Time	Dimension
BCPW87558	9130 Tower Extended Battery Module, 1000VA	12	155 x 410 x 245, 20 kg
BCPW87559	9130 Tower Extended Battery Module, 1500VA	12	170 x 445 x 275, 25 kg
BCPW87561	9130 Tower Extended Battery Module, 2/3kVA	12	214 x 410 x 345, 50 kg
BCPW87573	9130 Tower Extended Battery Module, 6kVA	2	242 x 542 x 575, 111kg



## 9PX (1kVA-3kVA) 1Ph/3Ph

Part Number	No rail kit included	Back up Time	Dimension
BCPW100027	Eaton 9PX 1000VA Rack/Tower, 10Amp Input, 230V (Rail Kit Included)	64	440 x 450 x 86.5, 17.4kg
BCPW100044	Eaton 9PX 1500VA Rack/Tower, 10Amp Input, 230V (Rail Kit Included)		440 x 450 x 86.5, 18.9kg
BCPW100006	Eaton 9PX 2000VA Rack/Tower, 10Amp Input, 230V (Rail Kit Included)	64	440 x 605 x 86.5, 27kg
BCPW100047	Eaton 9PX 2200VA 2U Rack/Tower, 16Amp Input, 230V (Rail Kit Included)	8	440 x 605 x 86.5, 25kg
BCPW100021	Eaton 9PX 2200VA 3U Rack/Tower, 16Amp Input, 230V (Rail Kit Included)	6	440 x 485 x 130, 24.5kg
BCPW100045	Eaton 9PX 3000VA 2U Rack/Tower, 16Amp Input, 230V (Rail Kit Included)	8	440 x 605 x 86.5, 26.5kg
BCPW100039	Eaton 9PX 3000VA 3U Rack/Tower, 16Amp Input, 230V (Rail Kit Included)	6	440 x 485 x 130, 27.4kg





## 9PX (5kVA-11kVA)

Part Number		Back up Time	Dimension
BCPW100034	9PX 5kVA 1:1 UPS (internal batteries)	6	440 x 685 x 130, 48kg
BCPW87620	9PX 6kVA 1:1 UPS (internal batteries)	6	440 x 685 x 130, 48kg
BCPW87621	9PX 8kVA 1:1 Power Module (no internal batteries, add 1 x 9PXEBM240 minimum to make UPS)	6	440 x 700 x 130, 19kg
BCPW87622	9PX 11kVA 1:1 Power Module (no internal batteries, add 1 x 9PXEBM240 minimum to make UPS)	6	441 x 700 x 130, 21kg
BCPW87620C	9PX 6kVA 3:1 Power Module (no internal batteries, add 1 x 9PXEBM240 minimum to make UPS)		439 x 700 x 130, 19kg
BCPW100033	9PX 8kVA 3:1 Power Module (no internal batteries, add 1 x 9PXEBM240 minimum to make UPS)		440 x 700 x 130, 19kg
BCPW87628	9PX 11kVA 3:1 Power Module (no internal batteries, add 1 x 9PXEBM240 minimum to make UPS)		441 x 700 x 130, 21kg
BCPW87625	9PX/SX Rail kit - (650mm-1050mm depth adjustment)		

## 9PX

### Battery Modules

Part Number		Back up Time	Dimension
BCPW100026	Eaton 9PX EBM 1kVA/1.5kVA 72V 2U Rack/Tower	8	440 x 450 x 86.5, 29.8kg
BCPW100024	Eaton 9PX EBM 2kVA/3kVA 72V 2U Rack/Tower	8	440 x 605 x 86.5, 39.2kg
BCPW100018	Eaton 9PX EBM 2kVA/3kVA 72V 3U Rack/Tower	6	440 x 485 x 130, 38.2kg
BCPW87623	9PX EBM 180V (6kVA 9PX)	6	440 x 685 x 130, 68kg
BCPW87624	9PX EBM 240V (8/11kVA 1:1 9PX, 6,8,11kVA 3:1 9PX)	6	441 x 680 x 130, 65kg
BCPW87634	9PX 8/11kVA Supercharger 240VDC 3RU R/T		
BCPW87616	1.8m Battery Extension Cable 180V EBM 5/6kVA 9SX/PX		
BCPW87601	1.8m Battery Extension Cable 240V EBM 8/11kVA 9PX		



## PSX Tower

### On Line full features UPS

Part Number		Dimension
BCPW86360	Eaton 9SX 700VA/630W On Line Tower UPS, 240V	160 x 357 x 252, 11.5kg
BCPW86361	Eaton 9SX 1000VA/900W On Line Tower UPS, 240V	160 x 387 x 252, 14.8kg
BCPW86362	Eaton 9SX 1500VA/1350W On Line Tower UPS, 240V	160 x 437 x 252, 18.5kg
BCPW86363	Eaton 9SX 2000VA/1800W On Line Tower UPS, 240V	214 x 412 x 346, 33.3kg
BCPW86364	Eaton 9SX 3000VA/2700W On Line Tower UPS, 240V	214 x 412 x 346, 33.4kg
BCPW86365	Eaton 9SX 6000VA/5400W On Line Tower UPS, 240V	244 x 542 x 575, 65.5kg



## PSX Tower

### Battery Modules (EBM)

Part Number		Dimension
BCPW86366	Eaton 9SX Tower EBM 36V (1kVA)	160 x 387 x 252, 19kg
BCPW86367	Eaton 9SX Tower EBM 48V (1.5kVA)	160 x 387 x 252, 24.5kg
BCPW86368	Eaton 9SX Tower EBM 96V (2kVA & 3kVA)	214 x 412 x 346, 48.7kg
BCPW86369	Eaton 9SX Tower EBM 240V (6kVA)	244 x 542 x 575, 104.9kg

## 9E 1Ph 6-20kVA On Line Tower UPS - 1 year Warranty

Single Phase Input, Single Phase Output (back-up time at power factor 0.7)

Part Number			Dimension
BC9E6KI	9E 6KVA/4.8kW Online Tower UPS HW	1	263 x 613 x 709, 65kg
BC9E10KI	9E 10KVA/8kW Online Tower UPS HW	1	263 x 613 x 709, 85kg
BC9E10KIXL	9E 10KVA/8kW Online Tower UPS HW XL (NO BATT)	1	263 x 613 x 709, 34kg
BC9E15KI	9E 15KVA/12kW Online Tower UPS HW	1	350 x 706 x 818, 142kg
BC9E20KI	9E 20KVA/16kW Online Tower UPS HW	1	350 x 706 x 818, 153kg
BC9E20KIXL	9E 20KVA/16kW Online Tower UPS HW XL (NO BATT)	1	350 x 706 x 818, 48kg



## Extended Battery Modules & DC Connection Accessories

Part Number			Dimension
BC9EEBM180	9E 6KVA Extended Battery Module 180VDC	1	262 x 580 x 709, 130kg
BC9EEBM240	9E 10-20KVA Extended Battery Module 240VDC (9E 10/15/20kVA)^	1	263 x 580 x 709, 148kg
BC9EEBMCBLKIT-1	9E EBM DC Cabling kit for 6 & 10KVA models - (1 required per EBM)		
BC9EEBMCBLKIT-2	9E EBM DC Cabling kit for 15 & 20kVA models - (total 1 required for 9EEBM240 1 & 2)		
BC9EEBMCBLKIT-4	9E EBM DC Cabling kit for 15 & 20kVA models - (total 1 required for 9EEBM240 3 & 4)		
BC9EBATE110C4050-240V	9E 10kVA XL External Battery Cabinet 40 x PWHR12110W4FR	66 / 117	- 504 x 795 x 1530, 398kg
BC9EBATE150C4050-240V	9E 10kVA XL External Battery Cabinet 40 x PWHR12150W4FR	95 / 203	- 504 x 795 x 1530, 398kg
BC9EBATE110C4050-480V	9E 15-20kVA XL External Battery Cabinet 40 x PWHR12110W4FR	22 / 55	- 504 x 795 x 1530, 398kg
BC9EBATE150C4050-480V	9E 15-20kVA XL External Battery Cabinet 40 x PWHR12150W4FR	35 / 84	- 504 x 795 x 1530, 398kg
BC9EBATM320D4050-480V	9E 15-20kVA XL External Battery Cabinet 40 x MRX12320WFR	95 / 207	- 633 x 822 x 1680, 1238kg

## Accessories

MS Slot Cards - (for 5130, 5P, 5PX, 9130, EX, EXRT, 9SX, 9PX, 9E, 93E, 93PM, 93PS, 93PR)

Part Number	
BCPW89012	Network Card-MS SNMP/Web Adaptor
BCPW89026	Relay Card-MS (NOT COMPATIBLE WITH 9130)
BCPW89006	Network and MODBUS Card-MS
BCINDRELAY-MS	Industrial relay card - MS for 93PM and 93E
BCPXGMSUPS	Power Xpert Gateway UPS Card - Minislot (for 93PM & 93PR only)



## E Series

BC619-00001-02	Web/SNMP Card EDX 1 Phase
BC730-50024-02P	AS400 Relay Card (for EDX 1-20K 1Ph)

## Single Phase Maintenance Bypass Switches < 20kVA

MBS with Interlock- compatible with 9130 Tower UPS

Part Number		Dimension
BCPW87554	700-2000VA Softwired intlocked external bypass	210 x 100 x 130, 4kg
BCPW87556	3000VA Softwired interlocked external bypass	210 x 100 x 225, 5kg
BCMBP3KAU	1-6kVA Hardwired interlocked external bypass (max 6mm2 cable)	190 x 130 x 190, 10kg
BC6000MBS2	6kVA Hardwired interlocked external bypass w/sep byp input (max 6mm2)	190 x 130 x 190, 10kg



## MBS compatible with 9130 Rack Mount UPS

Part Number		Dimension
BCPW90460	HotSwap Maintenance Bypass, C20 Input, 1 x C19 outlet, 3 x Aust 3 pin outlets	483 x 80 x 44, 3kg
BCPW90461	HotSwap Maintenance Bypass, C20 input, 1 x C19 outlet, 6 x C13 outlets	483 x 80 x 44, 3kg
BCPW90462	HotSwap Maintenance Bypass, Hardwired	483 x 80 x 44, 3kg

## MBS compatible with 9SX/9PX

Part Number		Dimension
BCPW87614	HotSwap MBP 6000i (Maintenance bypass module 5/6kVA 9SX/PX) Output = HW + 2 x C19 + 3 x C13	
BCPW87626	HotSwap MBP 11000i (Maintenance bypass module 8/11kVA 9PX) Output = HW + 4 x C19	
BCPW87661	HotSwap MBP 11000i (Maintenance bypass module 6/8/11kVA 9PX 3:1) Output = HW + 4 x C20	

## MBS w/o Interlock- compatible with 9E Tower UPS

Part Number		Dimension
BCPW87978	5/6kVA 9PX/SX MBS, HW in polycarbonate encl (no electrical interlock to UPS)	189 x 130 x 280, 5kg

## 4ft ECOBAT-WP Weatherproof Batten

### Part Number

STECO-WP-4FT-3C	20W / 40w Dual Power Selectable - 4ft (1200m) 200-240VAC
	3 colours in one : 4000K, 5000K, 6000K
	1270 x 116 x 74mm - IP65 Housing - 1K07 Impact rating, weight - 1.28kg
	110° Beam Angle - ABS Base with PC Lens - Available in Emergency Fitting



## LED Slimline Flood Light - 100W

### Part Number

STFLA-SC100W-V18E	Suitable for both indoors and outdoor commercial applications such as parking areas, billboards and common areas. Only consumes 100W of power - Aluminium glass face
	Cool White (5000k) - 12000lm
	120° Beam Angle, IP65 Waterproof housing
	AC 100-240V - 100W
	Available in 150W, 200W, 300W & 400W



## V18 Series UFO High Bay - 0-10C Dimming Control

### Part Number

STFLA-SH150W-V18S	UFO LED High Bay lights are fitted with a 0-10v dimmable driver to be able to connect to our high bay 3-step microwave sensor (ON-DIM-OFF) or a 0-10V Dimmer - 5000K
	Available in 100W, 150W, 200W & 240W



## T-Bar Backlit LED Panel Light

### Part Number

STPL-30120-33V4	36W - 200-240VAC - 3010-3412lm
	Backlit design ensuring long life and performance
	3 colours in one : 3000k, 4000k, 5000k (switch select) - 120° Beam Angle
	White Trim, IP20 Housing, weight : 2kg
	295 x 1195x 30mm - Also available 595 x 595mm, 595 x 1195mm



## LED Canopy Light

200W

### Part Number

STSC1-200W-VS	Surface Mount LED canopy lights are suitable for both outdoor and indoor commercial applications such as loading docks, petrol stations, food processing plants
	580 x 580 x 120mm
	Cool White (5000K) - 1817lm - AC 100-240V - 200W - IP65 - 120° Beam Angle
	Die cast aluminium and opal PC lens
	Available in 100W & 150W



## Solar LED Flood Light

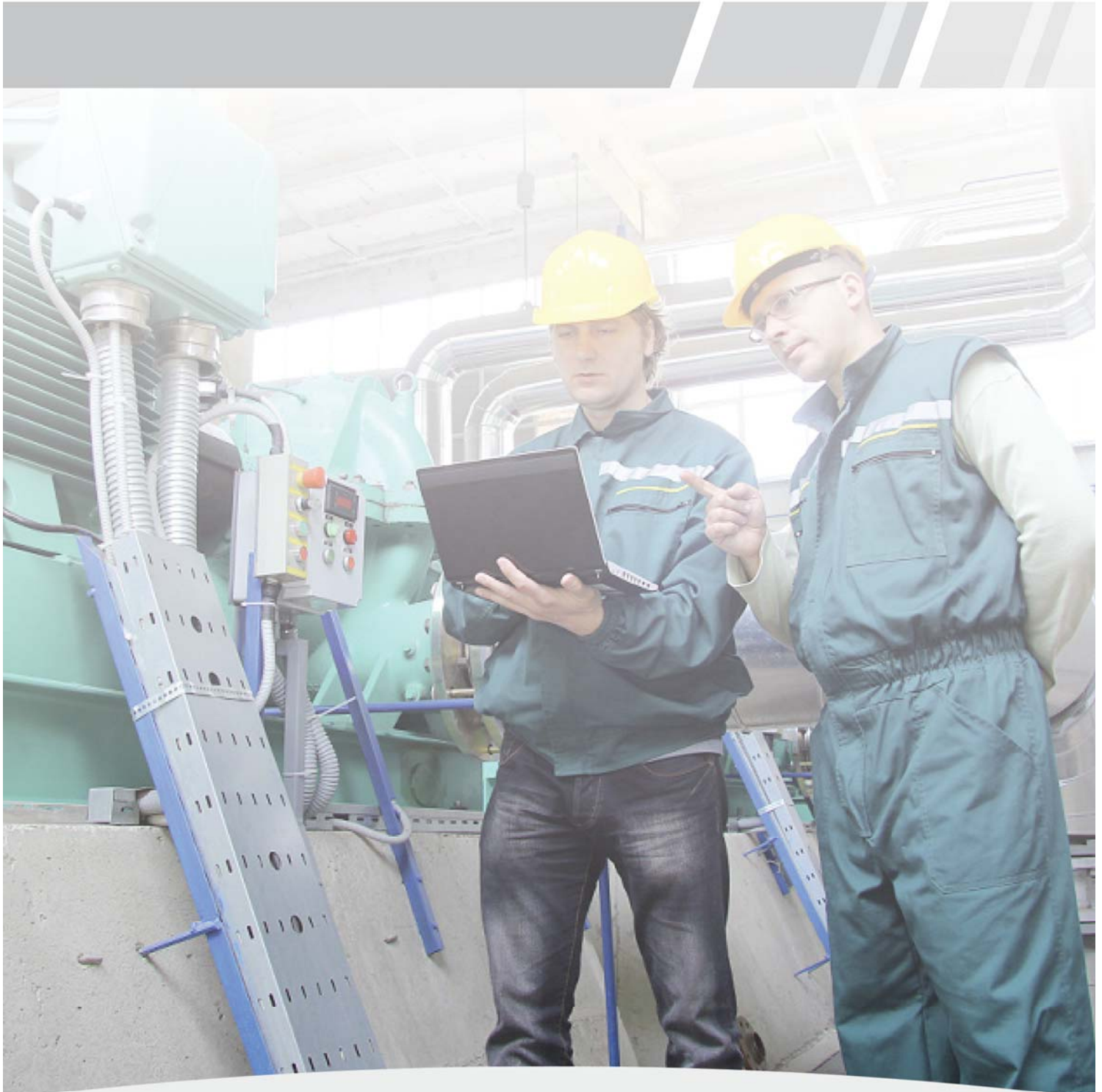
40W

### Part Number

STSFL-40W	Solar LED Flood Lights are a simple solution to provide lighting to an area with no operational costs by using power free from the sun.
	Light dim : 168 x 104 x 42mm Solar Panel dim : 180 x 240 x 17mm
	Cool White (6000k) - 4000lm - 20W - IP65 - 120° Beam Angle
	Available in 20W







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