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your control centre

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Tech Support

pushbuttons & switches
indicators
enclosures
contact blocks
contactors & overloads
relays & sockets
terminal boxes
enclosed starters
enclosed isolators
cable terminals
footswitches
timers

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COURSES**

UP TO
5 YEARS
PRODUCT
WARRANTY

OFTEN
COPIED,
**NEVER
EQUALLED**

IP65 Pilot Lights

Ø22.5mm

Model	Description
PL04C	Red Pilot Light 230VAC
PL05C	Green Pilot Light 230VAC
PL06C	Red Pilot Light 24VAC/DC
PL07C	Green Pilot Light 24VAC/DC



Enclosed Starters

Direct On-line & Star/Delta

Model	Description
Plastic Enclosure IP65, 20mm Entry, Pre-wired	
SR01D	4kW DOL Starter 240VAC Coil
SR02D	4kW DOL Starter 415VAC Coil
SR03D	7.5kW DOL Starter 240VAC Coil
SR04D	7.5kW DOL Starter 415VAC Coil



See below for matching overloads

Contactor / Relay Enclosure

Model	Description
EN05C	IP65 Enclosure 89x180x101mm with DIN Rail

IP66 Enclosures

Complete with DIN Rail

Model	Description
EN11C	Enclosure + DIN-Rail (75x125x75mm)
EN12C	Enclosure + DIN-Rail (125x125x75mm)
EN13C	Enclosure + DIN-Rail (125x125x100mm)
EN14C	Enclosure + DIN-Rail (125x175x75mm)
EN15C	Enclosure + DIN-Rail (125x175x100mm)
EN16C	Enclosure + DIN-Rail (125x175x125mm)
EN17C	Enclosure + DIN-Rail (175x175x100mm)
EN18C	Enclosure + DIN-Rail (175x175x125mm)
EN19C	Enclosure + DIN-Rail (175x175x150mm)
EN20C	Enclosure + DIN-Rail (175x250x100mm)
EN21C	Enclosure + DIN-Rail (175x250x150mm)
EN23C	Clear Lid Enclosure + DIN-Rail (125x125x75mm)
EN24C	Clear Lid Enclosure + DIN-Rail (125x175x100mm)
EN25C	Clear Lid Enclosure + DIN-Rail (125x175x150mm)



IP65 Enclosed Isolators

3, 4, 6 & 8 Pole

Model	Description
IS01C	20 Amp 3 Pole inc. 4x M20 Glands
IS03C	25 Amp 3 Pole inc. 4x M20 Glands
IS11C	32 Amp 3 Pole inc. 4x M20 Glands
IS05C	40 Amp 3 Pole inc. 4x M25 Glands



IP67 Pushbutton Enclosures

For One, Two and Three Buttons

Model	Description
EN01C	Single Button Enclosure
EN02C	Single Button Enclosure with Yellow Cover
EN03C	Double Button Enclosure
EN04C	Triple Button Enclosure

Contactors

3 Pole

3 Pole NO (Normally Open) Contactors



Model	AC1	AC3	Description
CR01C	25A	10A	240VAC Coil 1 NO Aux. Contact
CR02C	25A	10A	415VAC Coil 1 NO Aux. Contact
CR03C	32A	18A	240VAC Coil 1 NO Aux. Contact
CR04C	32A	18A	415VAC Coil 1 NO Aux. Contact
CR07C	50A	24A	240VAC Coil
CR08C	50A	24A	415VAC Coil
CR09C	80A	40A	240VAC Coil
CR10C	80A	40A	415VAC Coil
CR11C	110A	50A	240VAC Coil
CR12C	110A	50A	415VAC Coil

Modular Contactors

For Heating & Lighting Use



Model	Description
CR40C	Modular Contactor 20A 2 Pole NO 230VAC
CR46C	Modular Contactor 25A 2 Pole NO 230VAC
CR41C	Modular Contactor 25A 4 Pole NO 230VAC
CR44C	Modular Contactor 40A 2 Pole NO 230VAC
CR42C	Modular Contactor 40A 4 Pole NO 230VAC
CR45C	Modular Contactor 63A 2 Pole NO 230VAC
CR43C	Modular Contactor 63A 4 Pole NO 230VAC

Contact Blocks

For Use With Pushbutton Enclosures,
Contact Rating @ 240VAC 10A Resistive (AC1), 6A (AC15)



Model	Description
CT01C	Contact Block 1 NO + 1 NC
CT02C	Contact Block 2 NO
CT03C	Contact Block 2 NC

IP65 Footswitch

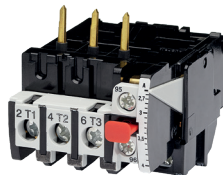


Model	Description
FT01C-A	Shrouded 1NO + 1NC M20 Gland entry

Relays

2/3/4 Pole Changeover Output

Model	Poles	Rating	Description
RL01C	2	10A	8 Pin 240VAC Relay
RL02C	3	10A	11 Pin 240VAC Relay
RL05C	2	10A	8 Pin 24VAC Relay
RL06C	2	10A	8 Pin 24VDC Relay
RL07C	3	10A	11 Pin 24VAC Relay
RL08C	3	10A	11 Pin 24VDC Relay
RL09C	2	10A	8 Pin 12VDC Relay
RL11C	4	5A	14 Pin 240VAC Relay
RL12C	4	5A	14 Pin 24VDC Relay
RL13C	4	5A	14 Pin 110VAC Relay
RL14C	4	5A	14 Pin 24VAC Relay
RL15C	4	5A	14 Pin 12VDC Relay
RL16C	2	10A	8 Pin 12VAC Relay
RL17C	3	10A	11 Pin 12VAC Relay



Sockets

For 8, 11 & 14 Pin Relays

Model	Description
BA01C	8 Pin Base for DPCO Relay
BA02C	11 Pin Base for 3PCO Relay
BA03C	14 Pin Base for 4PCO Relay

IP65/55 Terminal Boxes

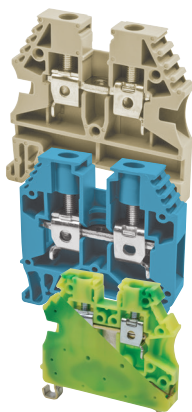
Model	Description
TB20C	Enclosure c/w 5x4mm DIN Terminals + 1x4mm Earth Terminals & End Stop 30A
TB30C	88x88x53mm Enclosure c/w 5x2.5mm Terminals 20A
TB31C	98x98x61mm Enclosure c/w 5x4mm Terminals 25A
TB32C	119x139x70mm Enclosure c/w 5x6mm Terminals 32A
TB33C	125x167x82mm Enclosure c/w 5x10mm Terminals 50A



DIN Terminals

For mounting on TS35 (35mm) DIN Rail

Model	Description
TB01C	10x 2.5mm Terminals + 10x Markers
TB02C	10x 4mm Terminals + 10x Markers
TB03C	5x 10mm Terminals + 10x Markers
TB04C	3x 16mm Terminals + 3x End Plates + 10x Markers
TB05C	2x 35mm Terminals + 10x Markers
TB06C	DIN Terminal Accessory Kit - 2x End Plates (2.5-10mm), 2x End Brackets, 2x Partition, 2x 4mm Earth Terminals, 1x 4mm Neutral Terminals & 10x Markers
TB07C	3x Fuse Holders + 3x End Plates
TB08C	5x 4mm Blue Neutral Terminals
TB09C	5x 4mm Green/Yellow Earth Terminals
TB10C	3x 16mm Green/Yellow Earth Terminals
DR01C	1m Length of 35x7.5mm Slotted DIN Rail



Overloads

To Suit Contactors Or Starters

Model	Description	DOL Rating	Star/Delta Rating
OL01D	Overload Manual Reset	0.6A-0.9A	-
OL02D	Overload Manual Reset	0.8A-1.2A	-
OL03D	Overload Manual Reset	1.2A-1.8A	-
OL04D	Overload Manual Reset	1.8A-2.7A	-
OL05D	Overload Manual Reset	2.7A-4.0A	-
OL06D	Overload Manual Reset	4.0A-6.0A	7.0A-10.5A
OL07D	Overload Manual Reset	6.0A-9.0A	10.5A-15.5A
OL08D	Overload Manual Reset	8.0A-11.0A	14.0A-19.0A
OL09D	Overload Manual Reset	10.0A-14.0A	18.0A-24.0A
OL10D	Overload Manual Reset	13.0A-18.0A	23.0A-31.0A

More ratings available upon request

IP65 & 67 Pushbuttons Ø22.5mm

Contact Rating @ 240V AC, Black Bezel
10A Resistive (AC1), 6A (AC15)

Model	Description
PB01C	Black Pushbutton
PB02C	Green Pushbutton
PB03C	Red Pushbutton
PB04C	2 Position Rotary Knob 120° IP65
PB05C	3 Position Rotary Knob 60° IP65
PB06C	Panel Accessory Kit Panel Collar with 1 NO + 1 NC Contact Block
PB07C	E-Stop Button Pull to Release 40mm
PB08C	E-Stop Button Key Release 40mm IP65
PB09C	Red Mushroom Stop Button (non-latching) 40mm
PB10C	2 Position Key Switch 60° IP65
PB11C	3 Position Key Switch 60° IP65
PB13C	E-Stop Button Twist to Release 40mm "O" Marking
PB14C	Complete E-Stop Station Pull to Release 1NO + 1NC
PB15C	Complete E-Stop Station Twist to Release 1NO + 1NC
PB17C	Complete Palm/Foot E-Stop Station Twist to Release 2NC
PB19C	E-Stop Shroud 40mm Yellow
PB20C	Emergency Stop Disc Label
PB40C	Pushbutton Double Head Green/Red



Multi-Function Timer

1 Pole Changeover 10A Relay Output

Model	Description
TM34C	DIN Rail Mountable Timer 24-250VAC/DC

Multi-Function Timer Features:-

- A On Delay
- B Off Delay
- C On Delay with Control Input
- D Off Delay with Control Input
- E Rising Edge Triggered Off Delay
- F Falling Edge Triggered Off Delay
- ...



your pushbutton selection guide

IMO

'START' or 'STOP' single pushbutton station - Box mounting

- 1- PB02C green (start) or PB03C red (stop) pushbutton.
- 1- CT01C contact block with N.O & N.C. contact
- 1- EN01C single enclosure.

STOP/START double pushbutton station - Box mounting

- 1- PB03C & PB02C pushbutton
- 2- CT01C contact blocks with N.O & N.C. contact
- 1- EN03C double enclosure

STOP/START single pushbutton station - Box mounting

- 1- PB40C red/green pushbutton
- 1- CT01C contact block with N.O & N.C. contact
- 1- EN01C single enclosure

EMERGENCY STOP pushbutton station - Box mounting

- 1- PB07C pushbutton (Push – Pull operation)
- 1- CT01C contact block with N.O & N.C. contact
- 1- EN02C single enclosure with yellow cover

'START' or 'STOP' single pushbutton station - Panel mounting

- 1- PB02C green (start) or PB03C red (stop) pushbutton.
- 1- PB06C mounting collar c/w 1 N.O & 1 N.C. contact block

EMERGENCY STOP pushbutton - Panel mounting

- 1 - PB07C pushbutton (Push – Pull operation)
- 1 - PB06C mounting collar c/w 1 N.O & 1 N.C. contact block

EMERGENCY STOP pushbutton Key operated

- 1 – PB08C (Push – Pull operation)
- 1 – CT01C contact block with N.O. & N.C. Contact
- 1 – EN02C single enclosure with yellow cover

Note: Do not twist key, insertion of key releases lock mechanism

Pushbutton, Contact & Mount Type Selection

Snap assembly together

Panel Mounting



Pushbutton
e.g. PB02C

1NO & 1NC Contacts & Collar
PB06C

Enclosure Mounting



Pushbutton
e.g. PB10C

Contact Block
e.g. CT01C

Enclosure
e.g. EN01C

Up/Stop/Down triple push button station – Box vertical mounting

- 1- EN04C triple enclosure
- 1- PB03C Red (stop) push button
- 2- PB01C Black (Up and Down) push buttons or Loose part no BS3DBLA Black button with printed Arrows
- 3- CT01C contact block with N.O & N.C. contact

3 position rotary knob and pilot light station – Box mounting

- 1- EN03C Double enclosure
- 1- PB05C 3 position rotary knob (Auto/Off/Manual)
- 1- PL05C Green pilot light (run pilot light)
- 1- CT02C contact block with 2x N.O. contact

STOP/START triple pushbutton station with pilot light – Box mounting

- 1- PB03C & PB02C pushbutton
- 2- CT01C contact blocks with N.O & N.C. contact
- 1- EN04C triple enclosure
- 1- PL05C green Pilot light

Red green pilot light station - Box mounting

- 1- EN03C double enclosure
- 1- PL05C green Pilot light
- 1- PL04C red Pilot light

Key switch station - Box mounting

- 1- EN01C single enclosure
- 1- PB10C 2position key switch (ON/OFF)
- 1- CT01C contact block with N.O & N.C. contact

your selection guide



Contactor Selection

Select contactor according to required coil operating voltage
Select required contact rating

220V - 260V	380V - 440V
AC1 - 25 Amps AC3 - 10 Amps 4kW	AC1 - 32 Amps AC3 - 18 Amps 7.5kW
CR01C 240V	CR03C 240V
CR02C 415V	CR04C 415V



Relay Selection

Select coil voltage
Select number of pins/poles

PINS / POLES
8 Pin 2 Pole
11 Pin 3 Pole
14 Pin 4 Pole



DOL Starter Selection

Select starter enclosure pack according to starter
coil operating voltage

220V - 260V	380V - 440V
SR01D	SR02D

Full Load Current	Overload Current
0.6 → 0.9	OL01D
0.8 → 1.2	OL02D
1.2 → 1.8	OL03D
1.8 → 2.7	OL04D
2.7 → 4.0	OL05D
4.0 → 6.0	OL06D
6.0 → 9.0	OL07D
8.0 → 11.0	OL08D
10.0 → 14.0	OL09D
13.0 → 18.0	OL10D

Single Phase HP/kW	HP	OVERLOAD CODE	kW
		220VAC	
	1/8		0.09
	1/4		0.19
	1/2		0.37
	3/4		0.56
	1		0.75
	1.5		1.10
	2		1.50
	3		2.20
4	-	3.00	

Three Phase HP/kw	HP	OVERLOAD CODE				kW
		220VAC	380VAC	415VAC	440VAC	
	¼	-	-	-	-	0.09
	½					0.19
	¾					0.37
	1					0.56
	2					0.75
	3					1.50
	4					2.20
	5	-	-	-	-	3.00
	-	-	-	-	3.70	

These charts are produced as a guide only



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