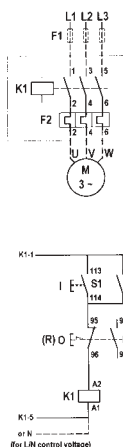


3 Phase Direct-On-Line Motor Starters



3 phase D.O.L. starters housed in high impact polycarbonate enclosures to give stop-start push button control. For reliable operation a thermal overload relay must fitted.

Operational current (A)	9	12	16	25
Operational power (AC3)	4kW	5.5kW	7.5kW	11kW
Coil voltage (VAC)	415	415	415	415
IP Rating	IP65			
Cable entries	4 x 20mm knockouts			
Dimensions (mm)	H = 160, W = 85, D = 110			
Approvals	IEC 947, VDE 0660			

Stock No.	Manf Ref ¹	Type	Unit Price		
			1-4	5-9	10-24
8901586	M10D13A415/00000KL	9AMP	27.43	26.06	24.69
8901589	M12D13A415/00000KL	12AMP	33.14	31.48	29.83
8901592	M15D23A415/00000KL	16AMP	41.71	39.62	37.54
8901595	M17D23A415/00000KL	25AMP	56.39	53.57	50.75

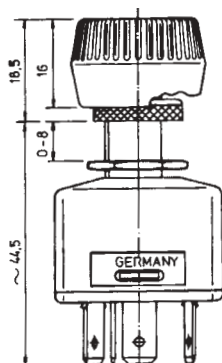
Thermal Overload Relays (to use with the above starters)



A range of thermal overload relays designed for use with the above starters. Manual or automatic reset - supplied set to manual. Accelerated trip in the event of single phasing on 3 phase systems. Volt free trip contact plus N.O. signal contact.

Stock No.	Manf Ref ¹	FLC (A)	Unit Price		
			1-4	5-9	10-24
8901598	T9E10085/0130-004A	0.85 - 1.3	23.64	22.93	22.22
8901601	T9E10120/0190-004A	1.2 - 1.9	23.64	22.93	22.22
8901604	T9E10180/0280-004A	1.8 - 2.8	23.64	22.93	22.22
8901607	T9E10270/0420-004A	2.7 - 4.2	23.64	22.93	22.22
8901611	T9E10400/0620-004A	4 - 6.2	23.64	22.93	22.22
8901613	T9E10600/0920-004A	6 - 9.2	23.64	22.93	22.22
8901616	T9E10800/1200-004A	8 - 12	23.64	22.93	22.22
8901619	T9E11100/1600-004A	11 - 16	23.64	22.93	22.22
8901622	T9E11500/2000-004A	15 - 20	28.43	27.58	26.72
8901625	T9E11900/2500-004A	19 - 25	28.43	27.58	26.72

2 Position ON/OFF Rotary Switch

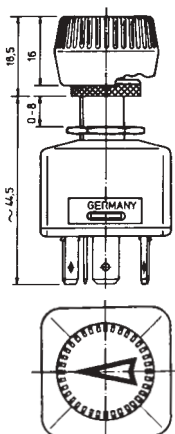


2 position ON/OFF rotary switch suitable for panel mounting. Switch knob is engraved with O (open contact) and I (closed contact).

Rated current	15A at 12VDC, 7.5A at 24VDC
Rated power	180W max.
Contacts	ON/OFF
Material	Self extinguishing thermoplastic
IP Rating	IP53
Terminals	6.3mm push-on
Panel cut-out	Ø12mm
Panel thickness	0 - 8mm

Stock No.	Manf Ref ¹	Type	Unit Price		
			1-4	5-9	10-24
4040128	250000	2 POS SWITCH	3.16	3.00	2.84

4 Position Rotary Switch



4 position OFF/ON/ON/ON rotary switch suitable for panel mounting. As the switch is turned through the 4 positions each contact closes in sequence and opens in the reverse sequence. Switch knob is engraved with an position arrow. A plug type connector is also available to mate with the 4 position switch.

Rated current	23A at 12VDC, 11.5A at 24VDC
Rated power	280W max.
Contacts	OFF/ON/ON/ON
Material	Self extinguishing thermoplastic
Terminals	6.3mm push-on
Panel cut-out	Ø12mm
Panel thickness	0 - 8mm
Connector dimensions	Ø28mm, 24mm length

Stock No.	Manf Ref ¹	Type	Unit Price		
			1-4	5-9	10-24
4040131	259000	4 POS SWITCH	6.52	6.19	5.87
4040134	259991	CONNECTOR	0.88	0.84	0.79

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