

STAR-DELTA STARTER, ENCLOSED STARTER, WITH START AND STOP/RESET BUTTONS.

STARTING TIME UP TO 12 SECONDS AND A MAXIMUM OF 30 OPERATIONS/HOUR, MAX IEC

AND AUTOMATION OPERATING CURRENT 16A. COIL VOLTAGE 24VAC 50/60HZ



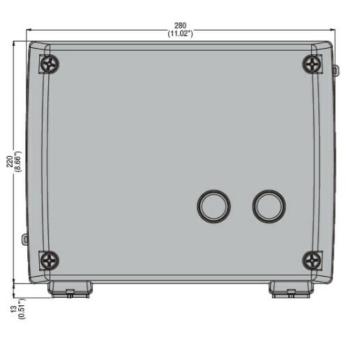
Product designation Enclosed stardelta starters delta starters (elta starters) Product type designation M3P00970 Electrical features W3P00970 Maximum operating current (\$440V) A 16 Components W3PA70 Starter enclosure standard supplied BF0910A, BF0901A, BF0901A, BF0901A, BF0910A Thermal relay to purchase separately RF38 Auxiliary contact standard supplied BFX1020,, BFX1020,, BFX1011 Contact characteristics IEC standard motor powers EC standard motor powers Weight 440V kW 7.5 440V kW 7.5 500V kW 7.5 Mechanical features Weight 9 g 3540 Ambient conditions Operating temperature min °C -25 Storage temperature min °C -40 Resistance & Protection min °C -40 Frontal IP degree IP65			-	
Product type designation M3P00970 Electrical features M3P00970 Maximum operating current (≤440V) A 16 Components Starter enclosure standard supplied M3PA70 Contactor standard supplied BF0910A, BF0901A, BF0901A, BF0901A, BF0910A Thermal relay to purchase separately RF38 Auxiliary contact standard supplied BFX1020,, BFX1011 Contact characteristics IEC standard motor powers 230V kW 7.5 kW 7.5 Mechanical features W 7.5 440V kW 7.5 7.5 Mechanical features W 2 3540 3540 3540 Mechanical features Weight g 3540 3540 3540 Ambient conditions Operating temperature min °C -25 -25 Format image of the protection min °C -40 -40 Resistance & Protection F 70 -40 Resistance & Protection IP65	Product designation			
Electrical features A 16 Components M3PA70 M3PA70 Starter enclosure standard supplied BF0910A, BF0910A, BF0901A, BF0910A Contactor standard supplied RF38 Auxiliary contact standard supplied BFX1020,, BFX1020,, BFX1011 Contact characteristics BFX1020,, BFX1011 IEC standard motor powers 230V kW 4 400V kW 7.5 440V kW 7.5 440V kW 7.5 7.5 440V kW 7.5 7.5 Mechanical features Weight g 3540 Ambient conditions Operating temperature min °C -25 max °C +660 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65	9			
Maximum operating current (≤440V) A 16 Components M3PA70 Starter enclosure standard supplied BF0910A, BF0910A, BF0910A, BF0910A Contactor standard supplied RF38 Auxiliary contact standard supplied BFX1020,, BFX1021,, BFX1011 Contact characteristics IEC standard motor powers 230V kW 4 4 400V kW 7.5 440V kW 7.5 500V kW 7.5 50V kW 7.5	Product type designation			M3P00970
Components M3PA70 Contactor standard supplied BF0910A, BF0901A, BF0901A, BF0901A, BF0901A, BF0910A Thermal relay to purchase separately RF38 Auxiliary contact standard supplied BFX1020,, BFX1021 Contact characteristics BFX1020,, BFX1011 EC standard motor powers 230V kW 7.5 440V kW 7.5 440V kW 7.5 440V kW 7.5 500V kW 7.5 Mechanical features g 3540 Weight g 3540 Ambient conditions g 3540 Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65	Electrical features			
Starter enclosure standard supplied M3PA70 Contactor standard supplied BF0910A, BF0901A, BF0901A, BF0910A Thermal relay to purchase separately RF38 Auxiliary contact standard supplied BFX1020,, BFX1021,, BFX1011 Contact characteristics BFX1020,, BFX1011 IEC standard motor powers 230V kW 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Maximum operating current (≤440V)		Α	16
BF0910A, BF0901A, BF0910A Thermal relay to purchase separately RF38 Auxiliary contact standard supplied BFX1020,, BFX1020,, BFX1011 Contact characteristics IEC standard motor powers 230V kW 4 400V kW 7.5 440V kW 7.5 500V kW 7.5 500V kW 7.5 Mechanical features Weight g 3540 Ambient conditions Operating temperature Storage temperature Thin °C -25 Thin °C -40 Thin °C -4	Components			
Contactor standard supplied BF0901A, BF0910A Thermal relay to purchase separately RF38 Auxiliary contact standard supplied BFX1020,, BFX1011 Contact characteristics IEC standard motor powers 230V kW 4 4400V kW 7.5 440V kW 7.5 500V kW 7.5 440V kW 7.5 500V kW 7.5 Mechanical features Weight g 3540 Ambient conditions Operating temperature min °C -25 -25 max °C +60 Storage temperature Resistance & Protection Frontal IP degree IP65	Starter enclosure standard supplied			M3PA70
BF0910A Thermal relay to purchase separately				BF0910A,
Thermal relay to purchase separately	Contactor standard supplied			•
Auxiliary contact standard supplied BFX1020,, BFX1011 Contact characteristics IEC standard motor powers 230V kW 4 400V kW 7.5 440V kW 7.5 500V kW 7.5 Mechanical features Weight g 3540 Ambient conditions Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65				
Contact characteristics EC standard motor powers 230V kW 4 400V kW 7.5 440V kW 7.5 500V	Thermal relay to purchase separately			RF38
Contact characteristics EC standard motor powers 230V kW 4 400V kW 7.5 440V kW 7.5 500V kW 7.5 500V kW 7.5 Mechanical features g 3540 Ambient conditions Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65	Auxiliary contact standard supplied			
EC standard motor powers 230V kW 4 400V kW 7.5 440V kW 7.5 500V kW 7.5 500V kW 7.5				BFX1011
230V kW 4 400V kW 7.5 440V kW 7.5 500V kW 7.5 50	Contact characteristics			
\$\begin{align*} 400V & kW & 7.5 \ 440V & kW & 7.5 \ 500V & kW & 7.5 \ 500V & kW & 7.5 \ \end{align*} Mechanical features	IEC standard motor powers			
Mechanical features		230V	kW	4
500V kW 7.5 Mechanical features Weight g 3540 Ambient conditions Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree		400V	kW	7.5
Mechanical features Weight g 3540 Ambient conditions Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65		440V	kW	7.5
Weight g 3540 Ambient conditions Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65		500V	kW	7.5
Ambient conditions Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection IP65	Mechanical features			
Ambient conditions Operating temperature min °C -25 max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection IP65	Weight		g	3540
min °C -25 max °C +60				
max °C +60 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65	Operating temperature			
Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65		min	°C	-25
min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65		max	°C	+60
min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP65	Storage temperature			
Resistance & Protection Frontal IP degree IP65		min	°C	-40
Resistance & Protection Frontal IP degree IP65		max	°C	+70
Frontal IP degree IP65	Resistance & Protection			
				IP65

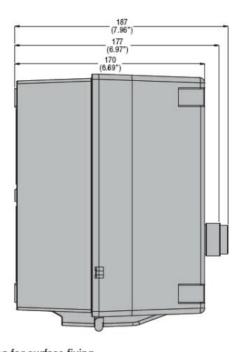


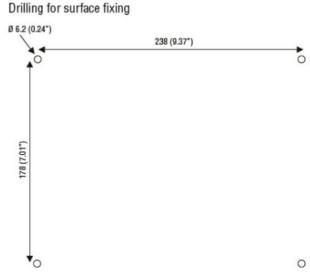
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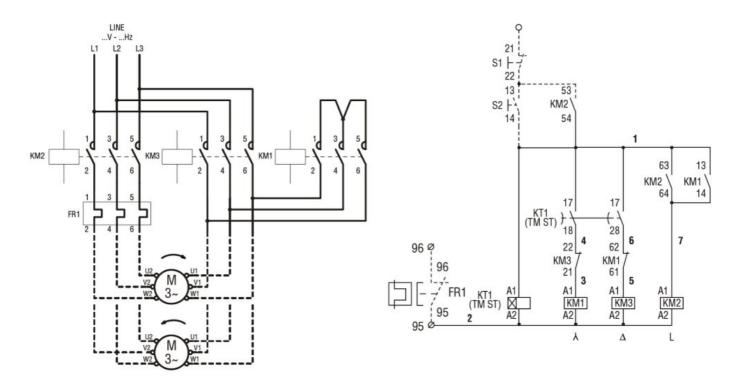
Wiring diagrams





ENERGY AND AUTOMATION

STAR-DELTA STARTER, ENCLOSED STARTER, WITH START AND STOP/RESET BUTTONS. **electric** STARTING TIME UP TO 12 SECONDS AND A MAXIMUM OF 30 OPERATIONS/HOUR, MAX IEC OPERATING CURRENT 16A. COIL VOLTAGE 24VAC 50/60HZ



ETIM classification

ETIM 8.0

EC001037 -Motor starter/Motor starter combination