

**ME024FSD024** ELECTRONIC DIRECT-ON-LINE STARTER, 2.4A, INTEGRATED MOTOR THERMAL electric PROTECTION AND STO (SAFE TORQUE OFF) EMERGENCY STOP, OPERATIONAL VOLTAGE UE ≤500VAC, AUXILIARY AND CONTROL SUPPLY VOLTAGE 24VDC



Electronic direct-

Product designation		on-line starter
Product type designation		with STO, 2.4A ME024FSD024
Electrical features		WE0241 3D024
		Direct-On-Line
Function		starter
Rated operational voltage	V	40500
Rated frequency	Hz	50/60
Auxiliary supply voltage		24VDC
Rated current AC-3, AC-53a	А	2.4
Thermal protection		Integrated, class 10A
Thermal trip adjustment range		0.182.4A
Safe torque Off (STO) safety function		Built-in
IEC 61508 Safety Integrity Level		SIL3
ISO 13849-1 performance level		PLe
Digital outputs		
Number of outputs	Nr.	2
Output type		1 relay output with C/O contact +1 PNP digital output
Output contacts ratings		Relay output: 3A 230V AC15, 2A 24V DC13 Digital output: 40mA 24VDC
Mechanical features		
Terminals type		Screw
Conductor section		
AWG/kcmil conductor section		
min		24
max		14
IEC		0.0
min	mm²	0.2
max Tightoning torque for terminole max	mm²	2.5 0.6
Tightening torque for terminals max   Cable stripping lenght	Nm mm	8
Operating position	111111	0
normal		Vertical
Fixing		35mm DIN rail (IEC/EN/BS 60715)
Weight	g	300
Operations		

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



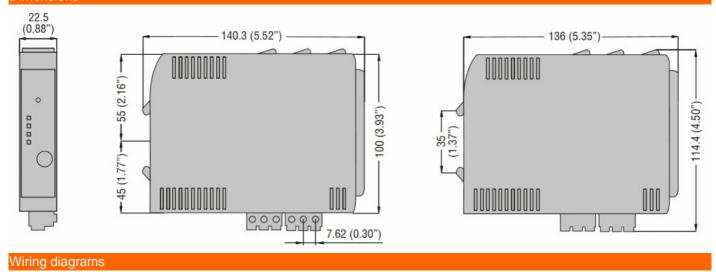
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ENERGY AND AUTOMATION

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Mechanical life		cycles	15 milion
Electrical life		cycles	50 milion
Ambient conditions			
Operating temperature			
	min	°C	-25
	max	°C	+70
Storage temperature			
	min	°C	-25
	max	°C	+80
Relative humidity		%	2090
Resistance & Protection			
Rated insulation voltage Ui		V	500
Rated surge voltage		kV	6
Frontal IP degree			IP20
Terminals IP degree			IP20
Pollution degree			2

Dimensions

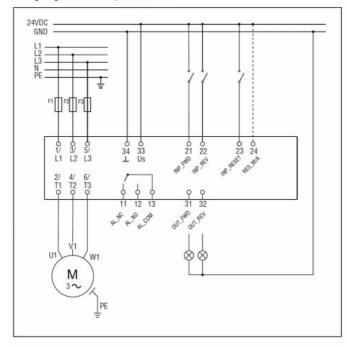




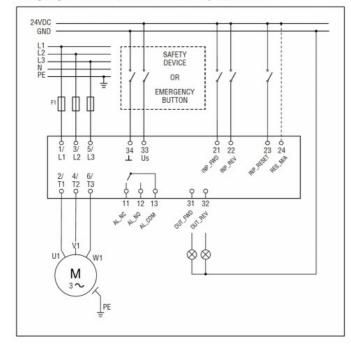
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Wiring diagram for three-phase motors

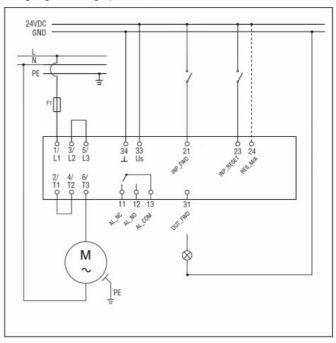


Wiring diagram for three-phase motors for safety applications

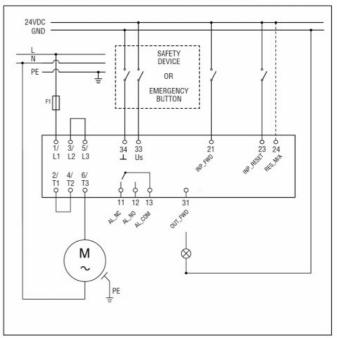


## Certifications and compliance

Compliance		
	CSA C22.2 n° 60947-4-2	
	IEC/EN/BS 609474-2	
	UL 60947-4-2	
Certificates		
	cULus	
ETIM classification		
ETIM 8.0		EC001037 - Motor starter / Motor starter



Wiring diagram for single-phase motors for safety applications



combination