

**ENERGY AND AUTOMATION** 

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
· ·			with STO, 2.4A
Product type designation			ME024FSD024
Electrical features			
Function			Direct-On-Line
i diletion			starter
Rated operational voltage		V	40500
Rated frequency		Hz	50/60
Auxiliary supply voltage			24VDC
Rated current AC-3, AC-53a		Α	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			PL e
Digital outputs			
Number of outputs		Nr.	2
			1 relay output
Output type			with C/O contact
7 71			+1 PNP digital
			output 0.4
			Relay output: 3A 230V AC15, 2A
Output contacts ratings			24V DC13 Digital
Output contacts ratings			output: 40mA
			24VDC
Mechanical features			21100
Terminals type			Screw
Conductor section			
AWG/kcmil conductor section			
7 (17 G/Normal State Color State Color Col	min		24
	max		14
IEC			
.20	min	mm²	0.2
	max	mm²	2.5
Tightenir	ng torque for terminals max	Nm	0.6
Cable stripping lenght		mm	8
Operating position			
i Oreses	normal		Vertical
			35mm DIN rail
Fixing			(IEC/EN/BS
			60715)
Weight		g	300
Operations			



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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			
22.5 (0.88")	35 (1.37")	136 (5.35"	114.4 (4.50")

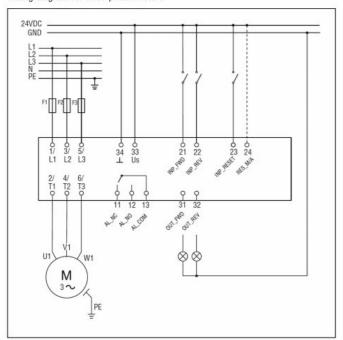




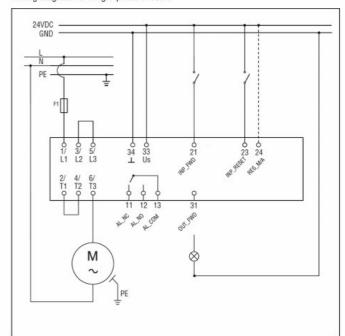
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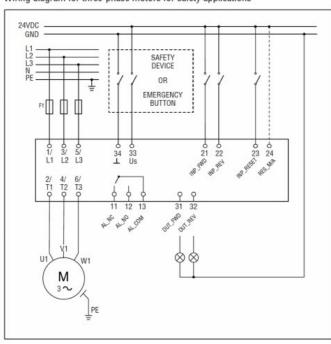
## Wiring diagram for three-phase motors



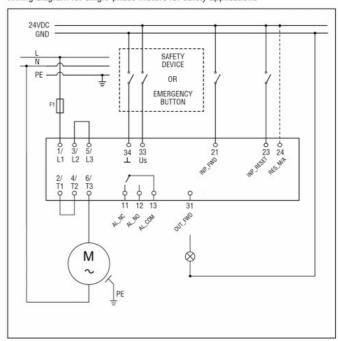
Wiring diagram for single-phase motors



Wiring diagram for three-phase motors for safety applications



Wiring diagram for single-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 combination