



Electronic direct-on-line starter with STO, 7A
ME070FSD024

Product designation

Product type designation

Electrical features

Function	Direct-On-Line starter	
Rated operational voltage	V	40...500
Rated frequency	Hz	50/60
Auxiliary supply voltage	24VDC	
Rated current AC-3, AC-53a	A	7
Thermal protection	Integrated, class 10A	
Thermal trip adjustment range	1.5...7A	
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
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	

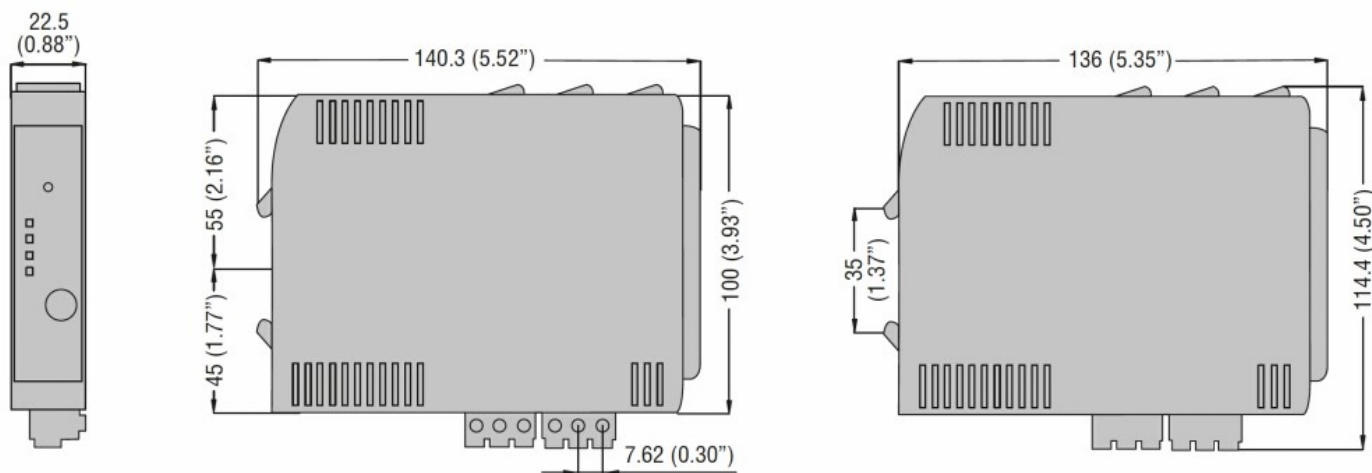
Mechanical features

Terminals type				Screw
Conductor section	AWG/kcmil conductor section			
		min	24	
		max	14	
	IEC			
		min	mm ²	0.2
		max	mm ²	2.5
	Tightening torque for terminals max		Nm	0.6
Cable stripping lenght			mm	8
Operating position	normal			Vertical
Fixing				35mm DIN rail (IEC/EN/BS 60715)
Weight			g	300

Operations

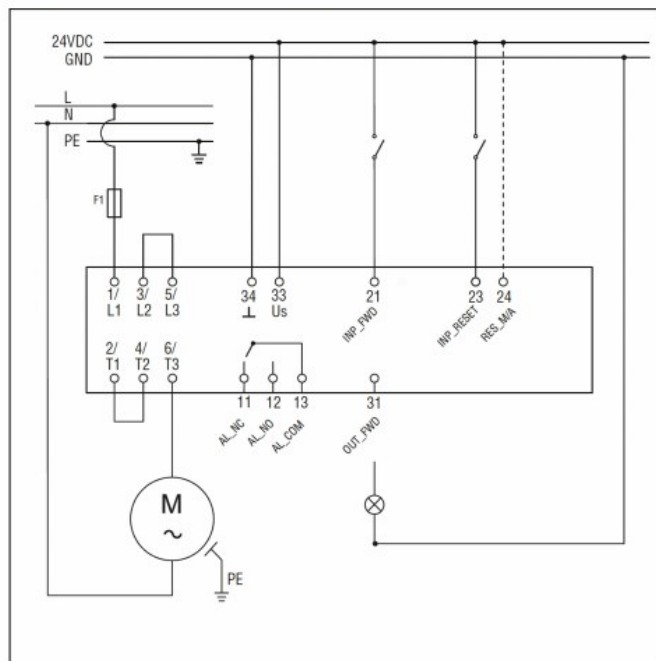
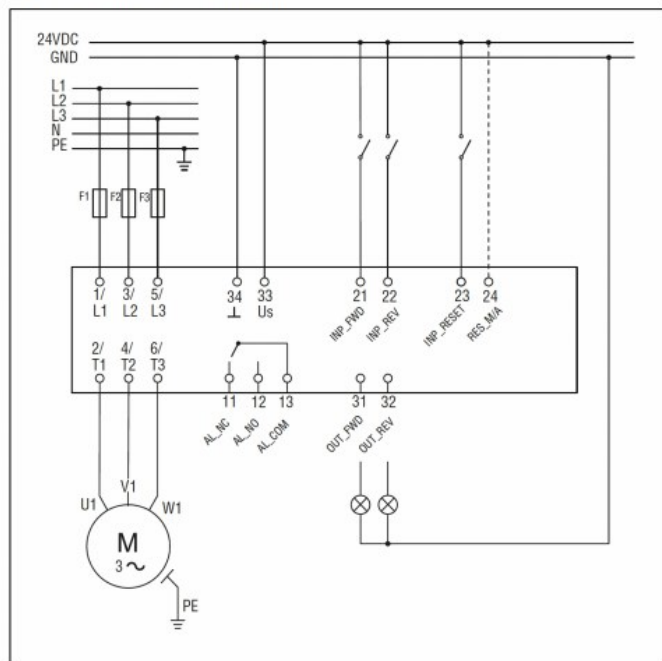
Mechanical life	cycles	15 milion
Electrical life	cycles	50 milion
Ambient conditions		
Operating temperature	min	°C -25
	max	°C +70
Storage temperature		
	min	°C -25
	max	°C +80
Relative humidity	%	20...90
Resistance & Protection		
Rated insulation voltage Ui	V	500
Rated surge voltage	kV	6
Frontal IP degree		IP20
Terminals IP degree		IP20
Pollution degree		2

Dimensions

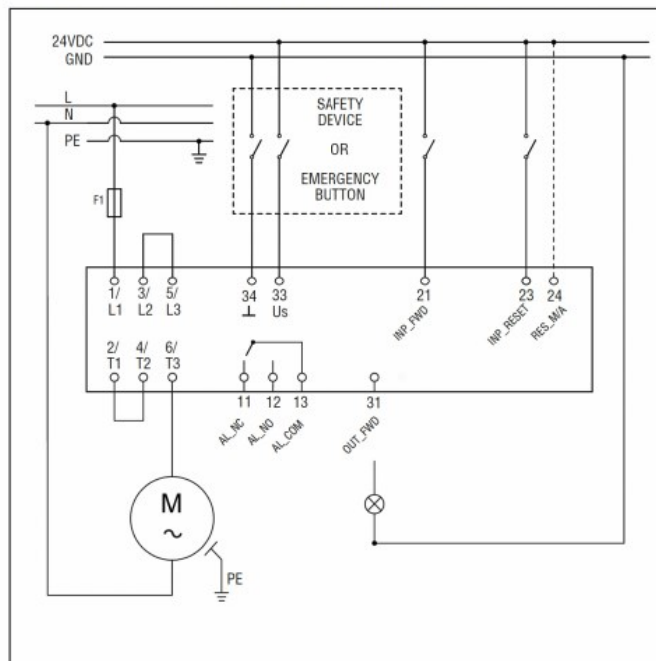
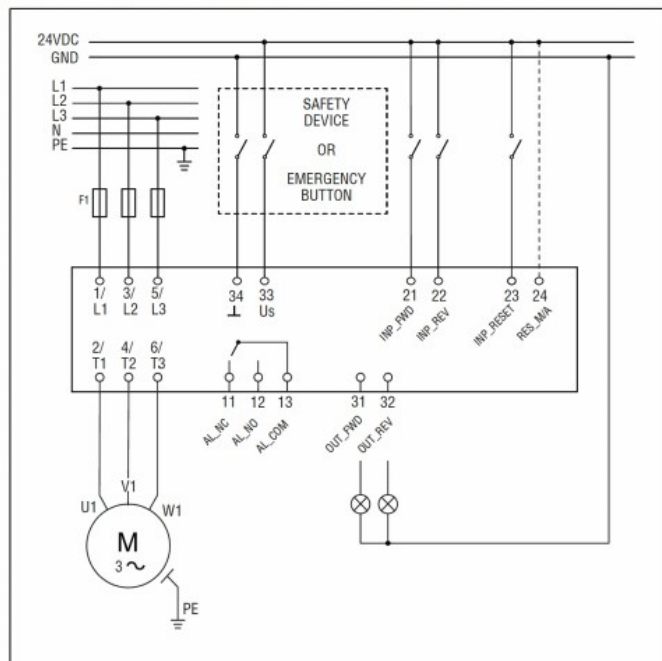


Wiring diagrams

Wiring diagram for single-phase motors



Wiring diagram for single-phase motors for safety applications



Compliance

UL 60947-4-2

cULuS

EC001037 -
Motor starter /
Motor starter
combination

ETIM 8.0