



DOL starter on feeder system adapter, 3-pole, 0.25 kW/400 V/AC-3, 100 kA, DC operated

Part no.

Catalog No.

Alternate Catalog No.

EL-Nummer (Norway)

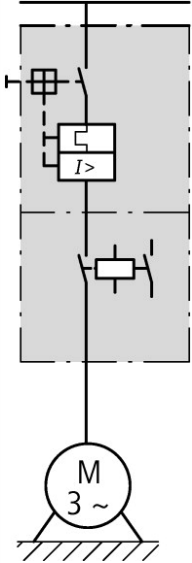
MSC-DM-1-M7(24VDC)/MSFA

191105

XTSC001B007BMTDNL-FS

4100170

Delivery program

Basic function				DOL starters (complete devices)
Basic device				MSC
				
Notes				Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging.
Connection to SmartWire-DT				no
Motor ratings				
Motor rating				
AC-3				
380 V 400 V 415 V	P	kW	0.25	
Rated operational current				
AC-3				
380 V 400 V 415 V	I _e	A	0.8	
Rated short-circuit current 380 - 415 V	I _q	kA	100	
Setting range				
Setting range of overload releases	I _r	A	0.63 - 1	
				
Coordination				Type of coordination "1" Type of coordination "2"
Contact sequence				
Actuating voltage				24 V DC
				DC voltage
Motor-protective circuit-breakers PKZM0-1				
Contactor DILM7-10(...)				
DOL starter wiring set				

Notes

The DOL starters (complete units) consist of a PKZM0 motor protective circuit breaker and a DILM contactor. These combinations are mounted on the busbar adapters.

The connection of the main circuit between the motor protective circuit breaker and the contactor is established with an electrical contact module.

Further information
Technische Daten PKZM0
Zusatzausrüstung PKZ
Technische Daten DILM
Zusatzausrüstung DILM

Page
→ PKZM0
→ 072896
→ DILM
→ 281199

Technical data

Standards			UL 508 (on request) CSA C 22.2 No. 14 (on request)
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Main conducting paths

Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U _e	V	230 - 415
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
380 V 400 V	I _e	A	1

Additional technical data

Motor protective circuit breaker PKZM0, PKE			PKZM0 motor-protective circuit-breakers, see motor-protective circuit-breakers/ PKZM0 product group DILM contactors, see contactor product group DILET timing relay, ETR, see contactors, electronic timing relays product group
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Power consumption

DC operated	Sealing	W	2.6
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Design verification as per IEC/EN 61439

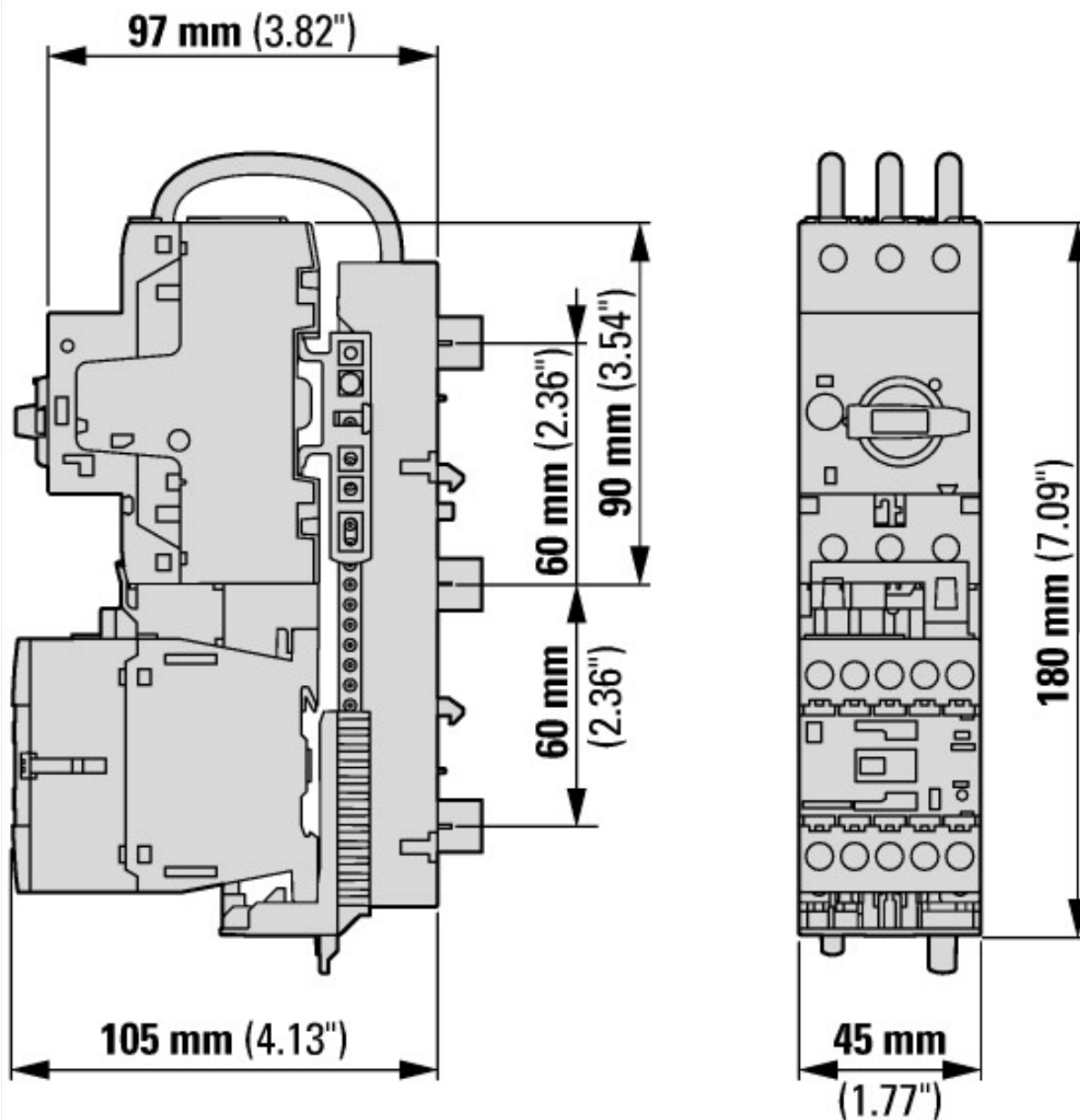
Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Motor starter/Motor starter combination (EC001037)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Load breakout, motor breakout / Motor starter combination (ecl@ss10.0.1-27-37-09-05 [AJZ718013])			
Kind of motor starter			Direct starter
With short-circuit release			Yes
Rated control supply voltage U _s at AC 50HZ		V	0 - 0
Rated control supply voltage U _s at AC 60HZ		V	0 - 0
Rated control supply voltage U _s at DC		V	24 - 24
Voltage type for actuating			DC
Voltage type for actuating			DC
Rated operation power at AC-3, 230 V, 3-phase		kW	0.12
Rated operation power at AC-3, 400 V		kW	0.25
Rated power, 460 V, 60 Hz, 3-phase		kW	0
Rated power, 575 V, 60 Hz, 3-phase		kW	0
Rated operation current I _e		A	0.8
Rated operation current at AC-3, 400 V		A	1
Overload release current setting		A	0.63 - 1
Rated conditional short-circuit current, type 1, 480 Y/277 V		A	0
Rated conditional short-circuit current, type 1, 600 Y/347 V		A	0
Rated conditional short-circuit current, type 2, 230 V		A	50000
Rated conditional short-circuit current, type 2, 400 V		A	50000
Number of auxiliary contacts as normally open contact			1
Number of auxiliary contacts as normally closed contact			0
Ambient temperature, upper operating limit		°C	60
Temperature compensated overload protection			Yes

Release class			CLASS 10
Type of electrical connection of main circuit			Screw connection
Type of electrical connection for auxiliary- and control current circuit			Screw connection
Rail mounting possible			Yes
With transformer			No
Number of command positions			0
Suitable for emergency stop			No
Coordination class according to IEC 60947-4-3			Class 2
Number of indicator lights			0
External reset possible			No
With fuse			No
Degree of protection (IP)			IP20
Degree of protection (NEMA)			Other
Supporting protocol for TCP/IP			No
Supporting protocol for PROFIBUS			No
Supporting protocol for CAN			No
Supporting protocol for INTERBUS			No
Supporting protocol for ASI			No
Supporting protocol for MODBUS			No
Supporting protocol for Data-Highway			No
Supporting protocol for DeviceNet			No
Supporting protocol for SUCONET			No
Supporting protocol for LON			No
Supporting protocol for PROFINET IO			No
Supporting protocol for PROFINET CBA			No
Supporting protocol for SERCOS			No
Supporting protocol for Foundation Fieldbus			No
Supporting protocol for EtherNet/IP			No
Supporting protocol for AS-Interface Safety at Work			No
Supporting protocol for DeviceNet Safety			No
Supporting protocol for INTERBUS-Safety			No
Supporting protocol for PROFIsafe			No
Supporting protocol for SafetyBUS p			No
Supporting protocol for other bus systems			No
Width		mm	45
Height		mm	180
Depth		mm	115

Dimensions



Assets (links)

[Declaration of CE Conformity](#)

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[Instruction Leaflets](#)

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