

DOL starter, 3p, 5.5kW/400V/AC3, 100kA, +busbar adapter

Part no. Article no. Catalog No. MSC-D-12-M12(24VDC)/BBA 102974 XTSC012B012BTDNL-A



Delivery program

Derivery program			
Basic function			DOL starters (complete devices)
Basic device			MSC
			IE3 🗸
Notes			Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging.
Motor ratings			
Motor rating			
AC-3			
380 V 400 V 415 V	Р	kW	5.5
Rated operational current	le	А	11.3
Rated short-circuit current 380 - 415 V	Iq	kA	100
Setting range			
Setting range of overload releases	١ _r	A	8 - 12
Non-delayed	I _{rm}	A	186
Coordination			Type of coordination "1"
Contact sequence			
Actuating voltage			24 V DC DC voltage
Motor-protective circuit-breakers PKZM0-12			
Contactor DILM12-10()			
DOL starter wiring set			

Mechanical connection element and electrical electric contact module PKZM0-XDM12

Notes

The direct-on-line starter (complete unit) consists of a PKZM0 motor-protective circuit-breaker and a DILM contactor. These conbinations are mounted on the busbars.

The connection of the main circuit between PKZ and contactor is established with electrical contact modules.

Further information	Page	
Technical data PKZM0	\rightarrow PKZM0	
Accessories PKZ	→ 072896	
Technical data DILM	\rightarrow DILM	
DILM accessories	→ 281199	
DILIVI accessories	→ 201133	

Technical data

General			
Standards			UL 508 (on request) CSA C 22.2 No. 14 (on request)
Main conducting paths			
Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			111/3
Rated operational voltage	U _e	V	230 - 415
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
380 V 400 V	le	А	12
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 contactors product group DILET timing relay, ETR, see contactors, electronic timing relays product group
Power consumption			
DC operated	Sealing	W	4.5

Design verification as per IEC/EN 61439

10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgea	Design vernication as per ilo/liv 01455			
Hat dissipation prole, current-dependent Pute W 34 Equipment heat dissipation, current-dependent Pute W 102 Static heat dissipation, current-dependent Pute W 25 Heat dissipation capacity Pute C 25 Operating ambient temperature min. Pute C 25 Operating ambient temperature max. C 25 ECK 164 343 disping werification C 25 102.25 terright of materials and parts C 70 102.23 Verification of thermal stability of enclosures C Meets the product standard's requirements. 102.32 Verification of resistance of insulting materials to abnormal heat C Meets the product standard's requirements. 102.32 Verification of resistance of insulting materials to abnormal heat C Meets the product standard's requirements. 102.32 Verification of resistance of insulting materials to abnormal heat C Meets the product standard's requirements. 102.32 Verification of resistance of insulting materials to abnormal heat C Meets the product standard's requirements. 102.32 Verification of asix tere offinaudiari materials to abnormal heat <t< td=""><td>Technical data for design verification</td><td></td><td></td><td></td></t<>	Technical data for design verification			
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ubseived.	10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.

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The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

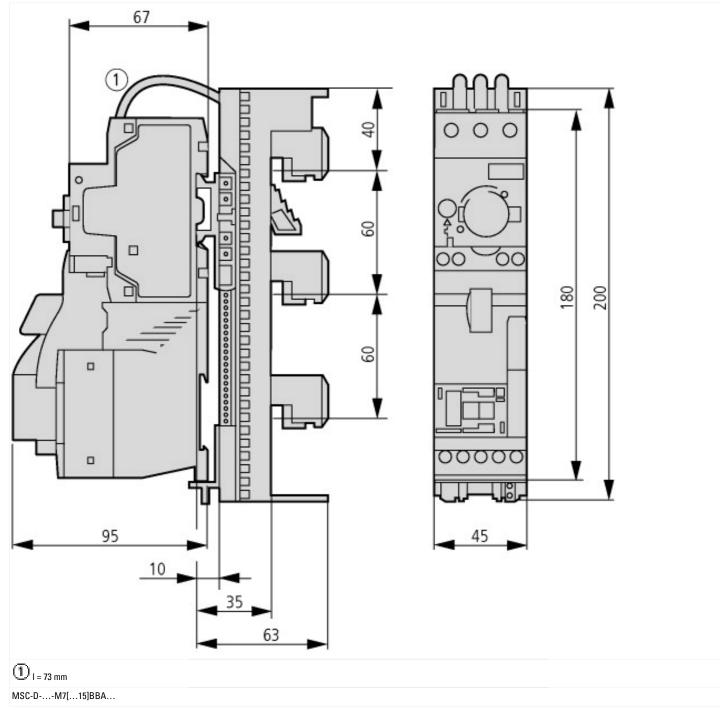
Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Motor starter/Motor starter combination (EC001037)

Elec	ctric engineering, automation, process control engineering / Low-voltage switch technology / Load breakout, motor breakout / Motor starter combination (ecl@ss8.1-27-37-09-05
[AJ	IZ718010])

[AJZ718010])		
Kind of motor starter		Direct starter
With short-circuit release		Yes
Rated control supply voltage Us at AC 50HZ	v	0 - 0
Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated control supply voltage Us at DC	V	24 - 24
Voltage type for actuating		DC
Rated operation power at AC-3, 230 V, 3-phase	kW	3
Rated operation power at AC-3, 400 V	kW	5.5
Rated power, 460 V, 60 Hz, 3-phase	kW	0
Rated power, 575 V, 60 Hz, 3-phase	kW	0
Rated operation current le	A	11.3
Rated operation current at AC-3, 400 V	A	12
Overload release current setting	А	8 - 12
Rated conditional short-circuit current, type 1, 480 Y/277 V	A	0
Rated conditional short-circuit current, type 1, 600 Y/347 V	А	0
Rated conditional short-circuit current, type 2, 230 V	А	0
Rated conditional short-circuit current, type 2, 400 V	А	0
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
Degree of protection (IP)		IP20
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
		No
Supporting protocol for other bus systems		

Dimensions



Additional product information (links)

IL03402015Z (AWA1210-2324) Busbar adapter

IL03402015Z (AWA1210-2324) Busbar adapter	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402015Z2010_10.pdf
Motor starters and "Special Purpose Ratings" for the North American market	http://www.moeller.net/binary/ver_techpapers/ver953en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf