



DOL starter, 380 V 400 V 415 V: 4 kW, I_r= 6.3 - 10 A, 24 V DC, DC voltage, Push in terminals

Part no. MSC-D-10-M9(24VDC)-PI
Catalog No. 199580
Alternate Catalog No. XTSCPI010B009BTDNL

Delivery program

Basic function				DOL starters (complete devices)
Basic device				MSC
				
Notes				Also suitable for motors with efficiency class IE3.
Connection technique				Push in terminals
Connection to SmartWire-DT				no
Motor ratings				
Motor rating				
AC-3				
380 V 400 V 415 V	P	kW	4	
Rated operational current				
AC-3				
380 V 400 V 415 V	I _e	A	8.5	
Rated short-circuit current 380 - 415 V	I _q	kA	150	
Setting range				
Setting range of overload releases	I _r	A	6.3 - 10	
				
Coordination				Type of coordination "1"
Contact sequence				
Actuating voltage				24 V DC
				DC voltage

Motor-protective circuit-breakers PKZM0-10

Contactor DILM9-10(...)

DOL starter wiring set

Mechanical connection element and electrical electric contact module PKZM0-XDM12-PI

Notes

The DOL starter (complete device) consists of a PKZM0 motor protective circuit breaker and a DILM contactor.

With the adapter-less top-hat rail mounting of starters up to 15 A, only the motor protective circuit breaker on the top-hat rail requires an adapter. The contactors are provided with mechanical support via a mechanical connection element.

Control wire guide with max. 6 conductors up to 2.5°mm external diameter or 4 conductors up to 3.5°mm external diameter.

From 16 A, the motor protective circuit breaker and contactor are mounted on the top hat rail adapter plate.

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

When using the auxiliary contacts DILA-XHIT... (→ 101042) the plug-in electrical connector can be removed without the removal of the front mounting auxiliary contact.

Technical data

General

Standards				IEC/EN 60947-4-1, VDE 0660
Mounting position				
Altitude		m		Max. 2000
Ambient temperature				-25 - +55

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	9

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
---	--	--	---

Power consumption

DC operated	Sealing	W	2.6
-------------	---------	---	-----

Design verification as per IEC/EN 61439

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

Dimensions

Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf
Moeller_Online Selections Aids	http://www.moeller.net/en/support/slider/index.jsp