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Worldwide English



MSC-DM-16-M15(230V50HZ)/MSFA - DOL starter, 380 V 400 V 415 V: 7.5 kW, Ir= 10 - 16 A, 230 V 50 Hz, 240 V 60 Hz, AC voltage



191125 MSC-DM-16-M15(230V50HZ)/MSFA

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191125 MSC-DM-16-M15(230V50HZ)/MSFA

DOL starter, 380 V 400 V 415 V: 7.5 kW, Ir= 10 - 16 A, 230 V 50 Hz, 240 V 60 Hz, AC voltage

Alternate Catalog No.

XTSC016B015BMFNL-FS

EL-Nummer (Norway)

4100166

DOL starter, Basic device: MSC, Motor ratings Motor rating AC-3 380 V 400 V 415 V: P= 7.5 kW, Setting range of overload releases: Ir= 10 - 16 A, Coordination: Type of coordination “1”, Actuating voltage: 230 V 50 Hz, 240 V 60 Hz, AC voltage, Standards: UL 508 (on request), CSA C 22.2 No. 14 (on request)

- [Delivery program](#)

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Delivery program

Basic function

DOL starters (complete devices)

Basic device

MSC

Connection technique

Screw terminals

Connection to SmartWire-DT

no

Motor ratings

Motor rating [P]AC-3380 V 400 V 415 V [P]

7.5 kW

Rated operational currentAC-3380 V 400 V 415 V [I_N]

15.2 A

Rated short-circuit current 380 - 415 V [I_k]

50 kA

Setting range

Setting range of overload releases  [I_R]

10 - 16 A

Coordination

Type of coordination “1”

Contact sequence



Actuating voltage
230 V 50 Hz, 240 V 60 Hz

AC voltage

Motor-protective circuit-breakers

PKZMD-16 Type

Contactors

DILM15-10(...) Part no.

DOL starter wiring set

Mechanical connection element and electrical electric contact module

PKZMD-XDM15ME Type

Notes

The DOL starters (complete units) consist of a PKZMD 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	Page
Technische Daten PKZMD	PKZMD
Zusatzausrüstung PKZ	072896
Technische Daten DILM	DILM
Zusatzausrüstung DILM	281199

Technical data

General

Standards

UL 508 (on request)

CSA C 22.2 No. 14 (on request)

Altitude

Max. 2000 m

Ambient temperature

-25 - +55

Main conducting paths

Rated impulse withstand voltage [U_{imp}]

6000 V AC

Overvoltage category/pollution degree

III/3

Rated operational voltage [U_e]

230 - 415 V

Rated operational current Open, 3-pole: 50 – 60 Hz 380 V 400 V [I_e]

16 A

Additional technical data

Motor protective circuit breaker PKZMD, PKE

PKZMD motor-protective circuit-breakers, see motor-protective circuit-breakers/PKZMD product group

DILM contactors, see contactor product group

DILET timing relay, ETR, see contactors, electronic timing relays product group

DILM contactors Power consumption of the coil in a cold state and 1.0 x U_s Dual-voltage coil 50 Hz [Sealing]

1.4 W

Design verification as per IEC/EN 61439

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+55 °C

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
 230 - 230 V
 Rated control supply voltage U_s at AC 60Hz
 0 - 0 V
 Rated control supply voltage U_s at DC
 0 - 0 V
 Voltage type for actuating
 AC
 Rated operation power at AC-3, 230 V, 3-phase
 4 kW
 Rated operation power at AC-3, 400 V
 7.5 kW
 Rated power, 460 V, 60 Hz, 3-phase
 0 kW
 Rated power, 575 V, 60 Hz, 3-phase
 0 kW
 Rated operation current I_e
 15.2 A
 Rated operation current at AC-3, 400 V
 15 A
 Overload release current setting
 10 - 16 A
 Rated conditional short-circuit current, type 1, 480 Y/277 V
 0 A
 Rated conditional short-circuit current, type 1, 600 Y/347 V
 0 A
 Rated conditional short-circuit current, type 2, 230 V
 0 A
 Rated conditional short-circuit current, type 2, 400 V
 0 A
 Number of auxiliary contacts as normally open contact
 1
 Number of auxiliary contacts as normally closed contact
 0
 Ambient temperature, upper operating limit
 60 °C
 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 1
 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

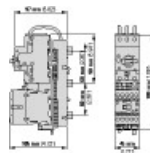
Supporting protocol for other bus systems
No

Width
45 mm

Height
180 mm

Depth
115 mm

Dimensions



CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

- [DA-CD-msc_dm_mfsa](#)
File
(Web)

edz files

- [DA-CE-ETN.MSC-DM-16-M15\(230V50HZ\)_MSFA](#)
File
(Web)

Step files

- [DA-CS-msc_dm_mfsa](#)
File
(Web)

Additional product information

- [Motor starters and "Special Purpose Ratings" for the North American market](#)
(PDF)
- [Busbar Component Adapters for modern Industrial control panels](#)
(PDF)

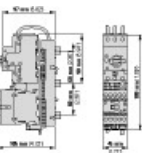
Product photo

- 
[2115PIC-61](#)
Photo

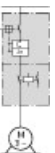
3D drawing

- 
[2115DRW-51](#)
Line drawing

Dimensions single product

- 
[2115DIM-17](#)
Line drawing

Wiring diagram

- 
[1210SW-16](#)
Line drawing
DOL starter complete device

Instruction Leaflet

- [adapter \(IL015082ZU\)](#)
Asset
(PDF, multilingual)
- [Electrical Spacer for PKZ Motor protection switch \(IL034030ZU\)](#)
Asset
former AWA2100-1846, Pub51206
(PDF, 07/2021, multilingual)

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