

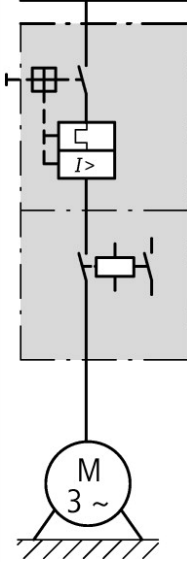


DOL starter on feeder system adapter, 3-pole, 7.5 kW/400 V/AC-3, 50 kA, DC operated



Part no. MSC-DM-16-M15(24VDC)/MSFA
Catalog No. 191113
Eaton Catalog No. XTSC016B015BMTDNL-FS

Delivery program

| | | | |
|---|----------|----|--|
| Basic function | | | DOL starters (complete devices) |
| Basic device | | | MSC |
| Motor ratings | | | |
| Motor rating | | | |
| AC-3 | | | |
| 380 V 400 V 415 V | P | kW | 7.5 |
| Rated operational current | I_e | A | 15.2 |
| Rated short-circuit current 380 - 415 V | I_q | kA | 50 |
| Setting range | | | |
| Setting range of overload releases | I_r | A | 10 - 16 |
|  | | | |
| Non-delayed | I_{rm} | A | 248 |
|  | | | |
| Coordination | | | Type of coordination "1" |
| Contact sequence | | |  |
| Actuating voltage | | | 24 V DC DC voltage |
| Motor-protective circuit-breakers PKZM0-16 | | | |
| Contactor DILM15-10(...) | | | |
| DOL starter wiring set | | | |
| Mechanical connection element and electrical electric contact module PKZM0-XDM15ME | | | |

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 |
| Overtoltage 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 | 16 |

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

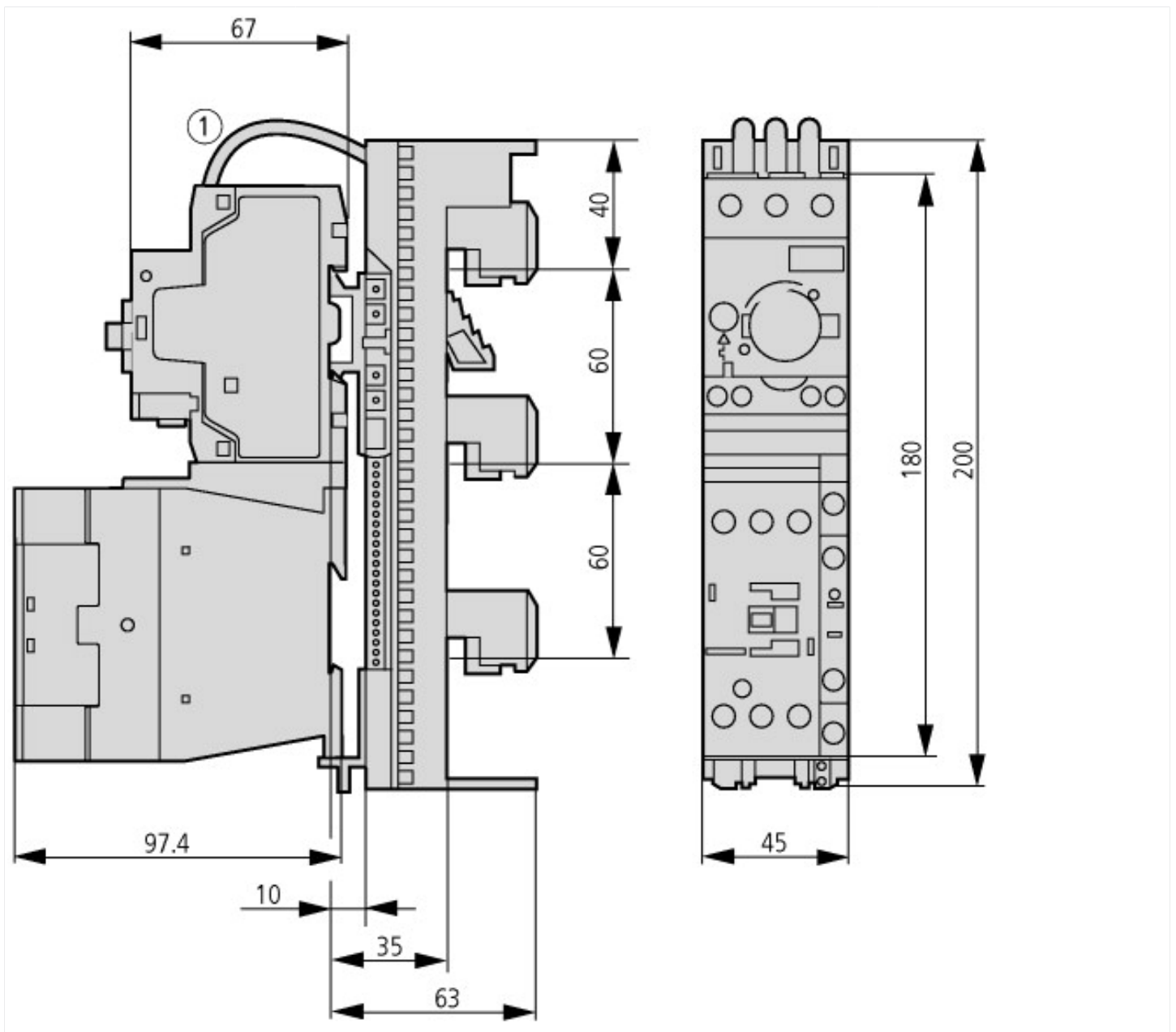
| | | | |
|--|--|----|-----|
| Technical data for design verification | | | |
| Operating ambient temperature max. | | °C | -25 |
| Operating ambient temperature max. | | °C | 55 |

Technical data ETIM 6.0

| | | | |
|---|--|----|------------------|
| 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@ss8.1-27-37-09-05 [AJZ718010]) | | | |
| 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 |
| Rated operation power at AC-3, 230 V, 3-phase | | kW | 4 |
| Rated operation power at AC-3, 400 V | | kW | 7.5 |
| 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 | 15.2 |
| Rated operation current at AC-3, 400 V | | A | 15 |
| Overload release current setting | | A | 10 - 16 |
| 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 | 0 |
| Rated conditional short-circuit current, type 2, 400 V | | A | 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 |
| Supporting protocol for other bus systems | No |

Dimensions



Additional product information (links)

IL034030ZU Electrical connector

IL034030ZU Electrical connector ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL034030ZU2015_04.pdf

IL015082ZU Adapter

IL015082ZU Adapter ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL015082ZU2017_05.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