

DOL starter, 3p, 7.5kW/400V/AC3, 50kA, +busbar adapter

Powering Business Worldwide™

MSC-D-16-M15(230V50HZ)/BBA Part no. Article no. 102958

Catalog No. XTSC016B015BFNL-A

Delivery program

Delivery program			
Basic function			DOL starters (complete devices)
Basic device			MSC
Notes			Not suitable for motors with efficiency class IE3.
Motor ratings			
Motor rating			
AC-3			
380 V 400 V 415 V	P	kW	7.5
Rated operational current	I _e	Α	15.2
Rated short-circuit current 380 - 415 V	I_q	kA	50
Setting range			
Setting range of overload releases	I _r	Α	10 - 16
Non-delayed	I _{rm}	Α	248
Coordination			Type of coordination "1"
Contact sequence			M 3~
Actuating voltage			230 V 50 Hz
			AC voltage

Motor-protective circuit-breakers PKZM0-16

Contactor DILM15-10(...)

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

Technical data PKZM0 Accessories PKZ Technical data DILM

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→ PKZM0

→ 072896

 \rightarrow DILM

Technical data

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DILM contactors

Dual-voltage coil 50 Hz

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			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	Α	15
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

Sealing

W

1.2

Power consumption of the coil in a cold state and 1.0 x $\rm U_{\rm c}$

Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	15.5
Heat dissipation per pole, current-dependent	P _{vid}	W	3.7
Equipment heat dissipation, current-dependent	P _{vid}	W	11.1
Static heat dissipation, non-current-dependent	P_{vs}	W	1.4
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$

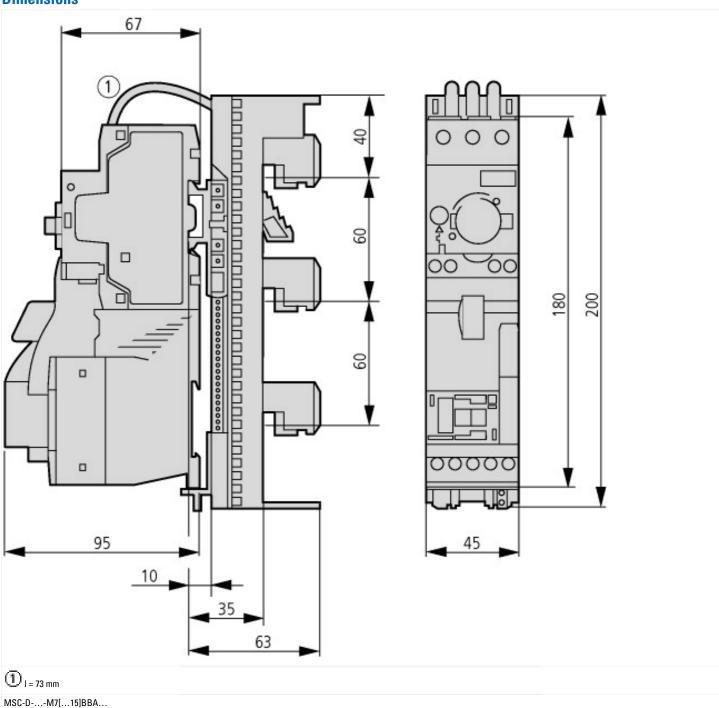
Technical data ETIM 6.0

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 more instance	[AJZ718010])	-		
Rated central supply voltage Us at AC SMRZ V 0-0 Read central supply voltage Us at AC SMRZ V 0-0 Voltage type for actuating V 0-0 Read granting power at AC-3, 201 V, 2-place WV 2-0 Read granting powers at AC-3, 201 V, 2-place WV 2-5 Read granting powers at AC-3, 201 V, 2-place WV 0-0 Read granting powers at AC-3, 200 V, 2-place WV 0-0 Read granting central at AC-3, 600 V, 20 place A 152 Read granting central at AC-3, 600 V, 20 place A 10-18 Read central at Place Central Central (Lyps 1, 660 Y/27) V A 0-18 Read central at Place Central Central (Lyps 1, 660 Y/27) V A 0-18 Read central at Place Central Central (Lyps 1, 660 Y/27) V A 0-18 Read central at Shart -Circuit Central (Lyps 2, 600 V) A 0-18 Read central at Shart -Circuit Central (Lyps 2, 600 V) A 0-18 Read central at Shart Central Central (Lyps 2, 600 V) A 0-18 Read central Central Shart Central Central (Lyps 2, 600 V) A 0-18 Read cent	Kind of motor starter			Direct starter
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Supporting protocol for SafetyBUS p				
Supporting protocol for other bus systems No				
	Supporting protocol for other bus systems			No

Dimensions



Additional product information (links)

dutional product information (miks)					
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				