

Reversing starter, 3p, 0.55kW/400V/AC3, 100kA, +busbar adapter

Part no. Article no. Catalog No.

MSC-R-1,6-M7(230V50HZ)/BBA 102985 XTSR1P6B007BFNL-A



Delivery program

Basic function			Reversing 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	Ρ	kW	0.37 0.55	
Rated operational current	l _e	A	1.1 1.5	
Rated short-circuit current 380 - 415 V	Iq	kA	100	
Setting range				
Setting range of overload releases	I _r	A	1 - 1.6	
Non-delayed	I _{rm}	A	24.8	
Coordination			Type of coordination "1" Type of coordination "2"	
Contact sequence				
Actuating voltage			230 V 50 Hz	
			AC voltage	
Motor-protective circuit-breakers PKZM0-1,6				
Contactor DILM7-01()				
DOL starter wiring set Mechanical connection element and electrical electric contact module PKZM0-XRM12				
Notes				
The reversing starter (complete unit) consists of a PKZM0 motor-protective circuit-breaker and two DILM contactors.				
These conbinations are mounted on the busbars.				
The connection of the main circuit between PKZ and contactor is established with electrical contact modules.				
Complete units with mechanical interlock, starters up to 12 A also feature electrical interlock.				
Further information Technical data PKZMO Accessories PKZ Technical data DILM DIL accessories		Page → PKZM0 → 072896 → DILM → 281199		

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	Ue	V	230 - 415
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
380 V 400 V	I _e	А	1.6
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
DILM contactors			
Power consumption of the coil in a cold state and 1.0 x $\rm U_{c}$			
Dual-voltage coil 50 Hz	Sealing	W	1.2
Design verification as per IEC/EN 61439			

Design vermeation as per 120/214 01455			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	1.6
Heat dissipation per pole, current-dependent	P _{vid}	W	1.9
Equipment heat dissipation, current-dependent	P _{vid}	W	5.7
Static heat dissipation, non-current-dependent	P _{vs}	W	1.4
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.	0.00	°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 switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

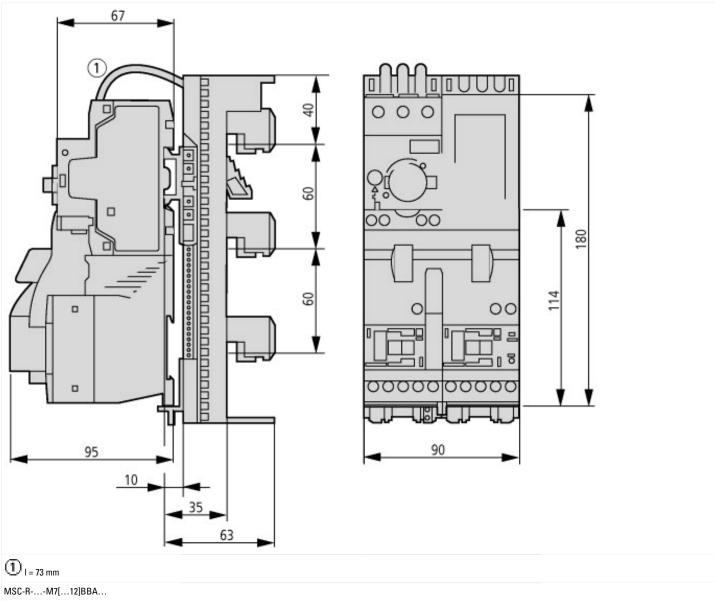
Technical data ETIM 6.0

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

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])

Web phot-sicular views Non-signation of the sector se	[AJZ718010])		
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Dimensions



Additional product information (links)

IL03402006Z (AWA1210-2248) Rev	versing starter to 12 A

IL03402006Z (AWA1210-2248) Reversing starter to 12 A	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402006Z2016_08.pdf
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