DATASHEET - MSC-D-10-M7(230V50HZ)/BBA



DOL starter, 380 V 400 V 415 V: 3 kW, Ir= 6.3 - 10 A, 230 V 50 Hz, 240 V 60 Hz, AC voltage



Part no.
Catalog No.
Alternate Cata
No.
EL-Nummer
(Norway)
-

MSC-D-10-M7(230V50HZ)/BBA 102955 XTSC010B007BFNL-A alog

4315416

Delivery program

Basic function DOL starters (complete devices) MSC Basic device Also suitable for motors with efficiency class IE3. Notes IE3-ready devices are identified by the logo on their packaging. Connection to SmartWire-DT no **Motor ratings** Motor rating AC-3 380 V 400 V 415 V Р kW 3 Rated operational current AC-3 380 V 400 V 415 V le А 6.6 Rated short-circuit current 380 - 415 V ١q kΑ 100 **Setting range** Setting range of overload releases l_r А 6.3 - 10 Type of coordination "1" Coordination Contact sequence Μ 230 V 50 Hz, 240 V 60 Hz Actuating voltage AC voltage Motor-protective circuit-breakers PKZM0-10 Contactor DILM7-10(...) DOL starter wiring set

Mechanical connection element and electrical electric contact module PKZM0-XDM12

The DOL starters (complete units) consist of a PKZM0 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.

Cannot be combined with NHI-E-...-PKZ0-C standard auxiliary contact with spring-cage terminal.

Page	
\rightarrow PKZM0	
→ 072896	
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	→ PKZM0 → 072896 → DILM

Technical data

Altitude CSA C 222 No. 14 (on request) Altitude CSA C 222 No. 14 (on request) Altitude Max. 2000 Ambient temperature Max. 2000 25 - 55 Main conducting paths Max. 2000 Max. 2	General			
Anbier temperature Anbier temperature Anbier temperature Anbier temperature Anated inpulse withstand voltage Overvoltage category/pollution degree Anated inpulse withstand voltage Openy actegory/pollution degree Anated operational voltage Anated operational voltage Openy actegory bolk and operational current Openy actegory bolk and voltage Openy ac	Standards			UL 508 (on request) CSA C 22.2 No. 14 (on request)
Anic conducting paths Vac Manp VAC Mand Rated impulse withstand voltage Vac Mand	Altitude		m	Max. 2000
Rated impulse within a voltage Ump VAC 600 Overvoltage category/pollution degree III/3 III/3 Rated operational voltage Ue V 20 - 415 Rated operational current Imp Imp Imp Imp go pen, 3-pole: 50 - 60 Hz Imp Imp <td>Ambient temperature</td> <td></td> <td></td> <td>-25 - +55</td>	Ambient temperature			-25 - +55
Overvoltage category/pollution degree ابالا ابالا Rated operational voltage V 30 - 415 Bated operational current V 30 - 415 open, 3-pole: 50 - 60 Hz - - 360 V 400 V A 7 Additional technical data - - Additional technical data - - Additional technical data - - Dulk contactors - - - Power consumption of the coil in a cold state and 1.0 x Ug V - - Power consumption of the coil in a cold state and 1.0 x Ug V - - Nal-voltage coil 50 Hz Sealing V - - Ak Coperated - - - - - Pilot Duty -	Main conducting paths			
Relacional contract Percent Signature Sector Signat	Rated impulse withstand voltage	U _{imp}	V AC	6000
Additional current Image: Control of the	Overvoltage category/pollution degree			111/3
Open 3-pole: 50 – 60 Hz Image: Constraint of the second seco	Rated operational voltage	U _e	V	230 - 415
380 V 400 V Ie A 7 Additional technical data	Rated operational current			
Additional technical data Additional technical data Additional technical data Additional technical data Mdor protective circuit breaker PKZM0, PKE Motor protective circuit breaker PKZM0, PKE Motor protective circuit breaker SKZM0, PKE DLM contactors, see contactor product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, see contactors, electronic timing relays product group DLIL contactors, electronic	Open, 3-pole: 50 – 60 Hz			
Motor protective circuit breaker PKZM0, PKE PKZM0, PKE PKZM0 product group pilLM contactors, see contactor product group pilLM contactors, see contactor, product group pilLM contactors, see contactor, see contactor, see contactor, product group pilLM contactors, see contactor, see contactor, see contactor, product group pilLM contactors, see contactor, see contac	380 V 400 V	۱ _e	А	7
Pile And Section 2 PKZM0 product group pile contactors, see contactor product group pile contactors, see contact	Additional technical data			
Power consumption of the coil in a cold state and 1.0 x Ug Note	Motor protective circuit breaker PKZM0, PKE			PKZM0 product group DILM contactors, see contactor product group
Dual-voltage coil 50 Hz Sealing W 1.2 Rating data for approved types Auxiliary contacts Image: Control of the second	DILM contactors			
Rating data for approved types Auxiliary contacts Image: Content of the second secon	Power consumption of the coil in a cold state and 1.0 x U_S			
Auxiliary contacts Image: Biolegy of the second s	Dual-voltage coil 50 Hz	Sealing	W	1.2
Pilot Duty Main AC operated Main DC operated Main General Use Main AC Main AC Main DC operated Main	Rating data for approved types			
AC operated A600 DC operated P300 General Use V 600 AC V 600 AC AC V 600 DC V 50 DC V 50	Auxiliary contacts			
DC operated P300 General Use P00 AC V AC AC AC AC DC V BC V SO V SO V SO V SO V	Pilot Duty			
General Use V 60 AC AC AC DC V 50	AC operated			A600
ACV600ACA15DCV250	DC operated			P300
AC A 15 DC V 250	General Use			
DC V 250	AC		V	600
	AC		А	15
DC A 1	DC		V	250
	DC		А	1

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	10
Heat dissipation per pole, current-dependent	P _{vid}	W	2.8
Equipment heat dissipation, current-dependent	P _{vid}	W	8.4
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 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 7.0

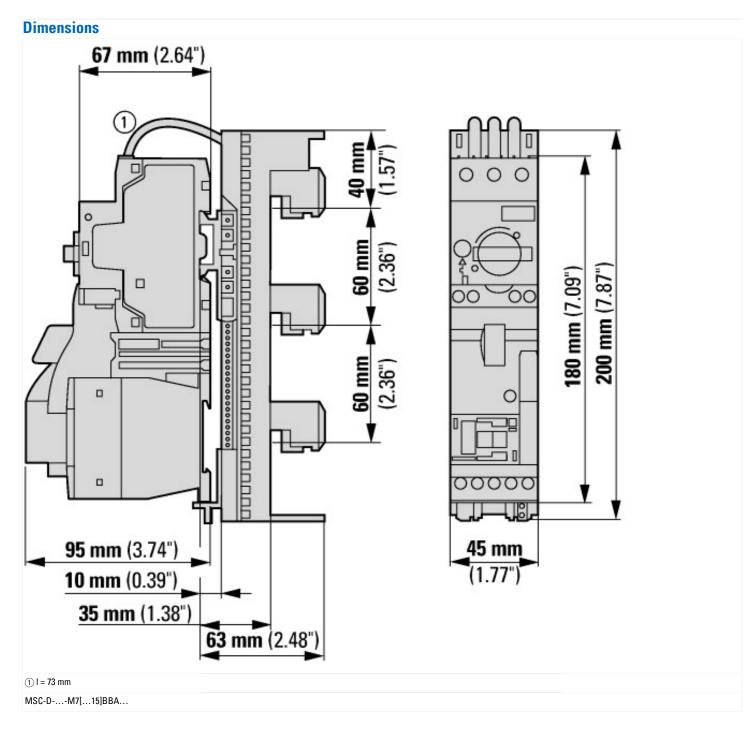
Low-voltage industrial components (EG000017) / Motor starter/Motor starter combination (EC001037)

[AJ2718013] Fore starter Kind of motor starter Fore starter With short-circuit release V Sectoral supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ V 0 Rated control supply voltage Us at AC 60HZ V 0 Rated control supply voltage Us at AC 60HZ V 0 Rated control supply voltage Us at AC 60HZ V 0 Notage type for actuating V 0 Rated operation power at AC-3,200 V-3 phase KM 3 Rated operation power at AC-3,400 V K W 0 Rated operation current 4 M W 0 Rated power, 575 V, 60 HZ, 3-phase K W 0 Rated power, 575 V, 60 HZ, 3-phase K M 0 Rated power, 575 V, 60 HZ, 3-phase K M 0 Rated power, 575 V, 60 HZ, 3-phase K M 0 Rated power, 575 V, 60 HZ, 3-phase K M 0 Rated power, 575 V, 60 HZ, 3-phase K M 0 Rated power, 575	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			
With short-circuit ruleaseMemory SectorMemory Sector </td <td colspan="4"></td>				
Rated control supply voltage Us at AC 50HZ V 30 - 230 Rated control supply voltage Us at AC 60HZ V 0 Rated control supply voltage Us at AC 60HZ V 0 Voltage type for actuating V 0 Voltage type for actuating V 0 Rated operation power at AC-3, 200 V, 3-phase V 0 Rated operation power at AC-3, 400 V V 0 Rated power, 450 V, 60 Hz, 3-phase V 0 Rated power, 450 V, 60 Hz, 3-phase V 0 Rated operation current 18 V 0 Rated operation current 14 AC-3, 400 V V 0 Rated operation current at AC-3, 400 V V 0 Rated operation current 14 AC-3, 400 V A 6 Rated operation current type 1, 400 V/277 V A 0 Rated conditional short-circuit current, type 1, 400 V/377 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as nomally cosen cotact A 0 Anbient temperature, upper operating limit C 0 Anbient temperature, upper operating limit	Kind of motor starter		Direct starter	
Rated control supply voltage Us at AC 60HZ V 0 Rated control supply voltage Us at CC V 0 Rated control supply voltage Us at DC V 0 Voltage type for actuating V 0 Rated control supply voltage Us at DC VV 0 Voltage type for actuating VV 0 Rated operation power at AC-3, 200 V.3-phase VV 0 Rated power, 460 V, 60 Hz, 3-phase VV 0 Rated operation current I VV 0 Rated operation current I VV 0 Rated conditional short-circuit current, type 1, 480 Y/277 V A 0 Rate conditional short-circuit current, type 1, 680 Y/347 V A 0 Rated conditional short-circuit current, type 2, 230 V A 0 Number of auxiliary contacts as normally copen contact A 0 Number of auxiliary contacts as normally closed contact A 0 Ambient temperature, upper operating limit F 0 Release class Compendencircuit V 0 Release class Compendencircuit S S Ambient temperature,	With short-circuit release		Yes	
Rated control supply voltage Us at DC P 0 Voltage type for actuating C C Rated operation power at AC-3, 230 V, 3-phase VV 15 Rated operation power at AC-3, 400 V VV 0 Rated operation power at AC-3, 400 V VV 0 Rated operation current L A 0 Rated conditional short-circuit current, L A 0 Rated conditional short-circuit current, L A 0 Number of auxiliary contacts as normally closed contact A 0 Number of auxiliary contacts as normally closed contact A 0 <td>Rated control supply voltage Us at AC 50HZ</td> <td>V</td> <td>230 - 230</td>	Rated control supply voltage Us at AC 50HZ	V	230 - 230	
Voltage type for actualing AC Rated operation power at AC-3, 230 V,3-phase KW 1.5 Rated operation power at AC-3, 400 V KW 3 Rated operation power at AC-3, 400 V KW 0 Rated operation power at AC-3, 400 V KW 0 Rated power, 460 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated power, 450 V, 60 Hz, 3-phase KW 0 Rated conditional short-circuit current, type 1, 480 Y/277 V KM 0 Rated conditional short-circuit current, type 2, 200 V KM 0 Number	Rated control supply voltage Us at AC 60HZ	V	0 - 0	
Rated operation power at AC-3, 230 V, 3-phase kW 15 Rated operation power at AC-3, 400 V KW 3 Rated operation power at AC-3, 400 V KW 0 Rated power, 460 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase KW 0 Rated power, 557 V, 60 Hz, 3-phase	Rated control supply voltage Us at DC	V	0 - 0	
Rated operation power at AC-3, 400 V KM 3 Rated power, 460 V, 60 Hz, 3- phase KW 0 Rated power, 460 V, 60 Hz, 3- phase KW 0 Rated power, 460 V, 60 Hz, 3- phase C KW Rated power, 460 V, 60 Hz, 3- phase S 0 Rated power, 460 V, 60 Hz, 3- phase S 0 Rated power, 460 V, 60 Hz, 3- phase S 0 Rated power, 460 V, 60 Hz, 3- phase S 0 Rated operation current 1 S 0 0 Rated operation current 4AC-3, 400 V S S 0 Overload release current setting S S 10 Rated conditional short-circuit current, type 1, 480 V/277 V S S 0 Rated conditional short-circuit current, type 1, 600 V/347 V S S 0 Rated conditional short-circuit current, type 2, 230 V S S 0 Number of auxiliary contacts as normally closed contact S S 0 Number of auxiliary contacts as normally closed contact S S S Rated co	Voltage type for actuating		AC	
Rated power, 460 V, 60 Hz, 3-phase KW Max Rated power, 575 V, 60 Hz, 3-phase KW 0 Rated power, 575 V, 60 Hz, 3-phase KW 0 Rated power, 460 V, 60 Hz, 3-phase KW 0 Rated power, 575 V, 60 Hz, 3-phase KW 0 Rated power, 400 V, 60 Hz, 3-phase KW 0 Rated power, 400 V, 60 Hz, 3-phase KW 0 Rated power, 400 V, 60 Hz, 3-phase KW 0 Rated power, 400 V, 60 Hz, 3-phase KW 0 Power, 400 V, 60 Hz, 3-phase KW 0 Power, 400 V, 60 Hz, 3-phase S 0 Power, 400 V, 60 Hz, 3-phase S 0 Power, 400 V, 60 Hz, 3-phase S 0 Rated conditional short-circuit current, type 1,400 V/277 V A 0 Rated conditional short-circuit current, type 2,300 V A 0 Number of auxiliary contacts as normally closed contact A 0 Number of auxiliary contacts as normally closed contact S 0 Release class KW KE KE <tr< td=""><td>Rated operation power at AC-3, 230 V, 3-phase</td><td>kW</td><td>1.5</td></tr<>	Rated operation power at AC-3, 230 V, 3-phase	kW	1.5	
Rated power, 575 V, 60 Hz, 3-phase KW Mache operation current le KW Mache operation current le KW Mache operation current le 6.6 Rated operation current at AC-3, 400 V F A 7 7 Overload release current setting KM Sa - 10 Sa - 10 Rated conditional short-circuit current, type 1, 480 V/277 V KM 0 Sa - 10 Rated conditional short-circuit current, type 1, 600 Y/347 V KM 0 Sa - 10 Rated conditional short-circuit current, type 2, 230 V KM 0 Sa - 10 Number of auxiliary contacts as normally open contact KM 0 Sa - 10 Number of auxiliary contacts as normally closed contact M M M Ambient temperature, upper operating limit Sa - 10 Sa - 10 Sa - 10 Release class G G Sa - 10 Sa - 10 Type of electrical connection of main circuit Sa - 10 Sa - 10 Sa - 10	Rated operation power at AC-3, 400 V	kW	3	
Rated operation current le A 6 Rated operation current at AC-3, 400 V 6 7 Overload release current setting 6.3 - 10 Rated conditional short-circuit current, type 1, 480 Y/277 V A 0 Rated conditional short-circuit current, type 2, 230 V 6 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally open contact A 0 Ambient temperature, upper operating limit C 0 Release class CLASS 10 Release class CLASS 10	Rated power, 460 V, 60 Hz, 3-phase	kW	0	
Rated operation current at AC-3, 400 V A 7 Overload release current setting A 6 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 Number of auxiliary contacts as normally open contact A 0 Number of auxiliary contacts as normally closed contact A 0 Ambient temperature, upper operating limit C 0 Release class C S 0 Release class C C C 0 Release class C C C 0 C	Rated power, 575 V, 60 Hz, 3-phase	kW	0	
Overload release current setting A 63 - 10 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 A 0 Number of auxiliary contacts as normally closed contact A 0 Ambient temperature, upper operating limit C 6 Release class F 6 S Release class C C S Release class C C S	Rated operation current le	А	6.6	
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 A 0 Number of auxiliary contacts as normally closed contact A 0 Ambient temperature, upper operating limit C 0 Temperature compensated overload protection Period 0 Release class CLASS 10 CLASS 10 Type of electrical connection of main circuit Connection Careeton	Rated operation current at AC-3, 400 V	А	7	
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 A 0 Number of auxiliary contacts as normally closed contact A 0 Ambient temperature, upper operating limit C 0 Temperature compensated overload protection F 0 Release class C A CASS 10 Type of electrical connection of main circuit C C Screw connection	Overload release current setting	А	6.3 - 10	
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 A 0 Number of auxiliary contacts as normally closed contact A 0 Ambient temperature, upper operating limit C A Release class C F 0 Type of electrical connection of main circuit C F C	Rated conditional short-circuit current, type 1, 480 Y/277 V	А	0	
Rated conditional short-circuit current, type 2, 400 V Partial Partia Partial Partial Partial Partial Partial Pa	Rated conditional short-circuit current, type 1, 600 Y/347 V	А	0	
Number of auxiliary contacts as normally open contact I Number of auxiliary contacts as normally closed contact I Ambient temperature, upper operating limit I Temperature compensated overload protection I Release class I Type of electrical connection of main circuit I	Rated conditional short-circuit current, type 2, 230 V	А	0	
Number of auxiliary contacts as normally closed contact Image: Close of the sector o	Rated conditional short-circuit current, type 2, 400 V	А	0	
Ambient temperature, upper operating limit C 60 Temperature compensated overload protection Ves Release class C C Type of electrical connection of main circuit C C	Number of auxiliary contacts as normally open contact		1	
Temperature compensated overload protection Mode Yes Release class CLASS 10 Type of electrical connection of main circuit CLASS 10	Number of auxiliary contacts as normally closed contact		0	
Release class CLASS 10 Type of electrical connection of main circuit CLASS 10	Ambient temperature, upper operating limit	°C	60	
Type of electrical connection of main circuit Screw connection	Temperature compensated overload protection		Yes	
	Release class		CLASS 10	
Type of electrical connection for auxiliary- and control current circuit Screw connection	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	Rail mounting possible		Yes	
With transformer No	With transformer		No	
Number of command positions 0	Number of command positions		0	
Suitable for emergency stop No	Suitable for emergency stop		No	
Coordination class according to IEC 60947-4-3	Coordination class according to IEC 60947-4-3		Class 1	
Number of indicator lights 0	Number of indicator lights		0	
External reset possible No	External reset possible		No	
With fuse 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	mm	45
Height	mm	200
Depth	mm	154

Approvals

Product Standards	UL60947-4-1A; CSA-C22.2 No. 14-10; IEC60947-4-1; CE marking
UL File No.	E123500
UL Category Control No.	NKJH
CSA File No.	12528
CSA Class No.	3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No



Assets (links)

Declaration of CE Conformity 00002885 **Instruction Leaflets** IL034038ZU2018_06

Additional product information (links)

IL034038ZU (AWA1210-2246) Direct-on-line starter up to 15 A				
IL034038ZU (AWA1210-2246) Direct-on-line starter up to 15 A	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL034038ZU2018_06.pdf			
IL03402015Z (AWA1210-2324) Busbar adapter				
IL03402015Z (AWA1210-2324) Busbar adapter	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402015Z2018_05.pdf			
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			