DATASHEET - MSC-D-16-M15(230V50HZ)/BBA



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



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

Catalog No. 102958 **Alternate Catalog** XTSC016B015BFNL-A

No.

EL-Nummer 4315419

(Norway)

Powering Business Worldwide

Delivery program			
Basic function			DOL starters (complete devices)
Basic device			MSC
Notes			Not suitable for motors with efficiency class IE3.
Connection to SmartWire-DT			no
Motor ratings			
Motor rating			
AC-3			
380 V 400 V 415 V	P	kW	7.5
Rated operational current			
AC-3			
380 V 400 V 415 V	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
中			
Coordination			Type of coordination "1"
Contact sequence			M 3~
Actuating voltage			230 V 50 Hz, 240 V 60 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 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.

Further information
Technical data PKZM0
Accessories PKZ
Technical data DILM
Accessories DILM

Page → PKZM0 → 072896 → DILM → 281199

Technical data General

		UL 508 (on request) CSA C 22.2 No. 14 (on request)
	m	Max. 2000
		-25 - +55
U_{imp}	V AC	6000
		III/3
U _e	V	230 - 415
le	Α	15
		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
Sealing	W	1.2
		A600
		P300
	V	600
	Α	15
	٧	250
	U _e	U _{imp} VAC U _e V I _e A Sealing W

Design verification as per IEC/EN 61439

DC

besign vermeation as per 120/214 01705			
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 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)

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])

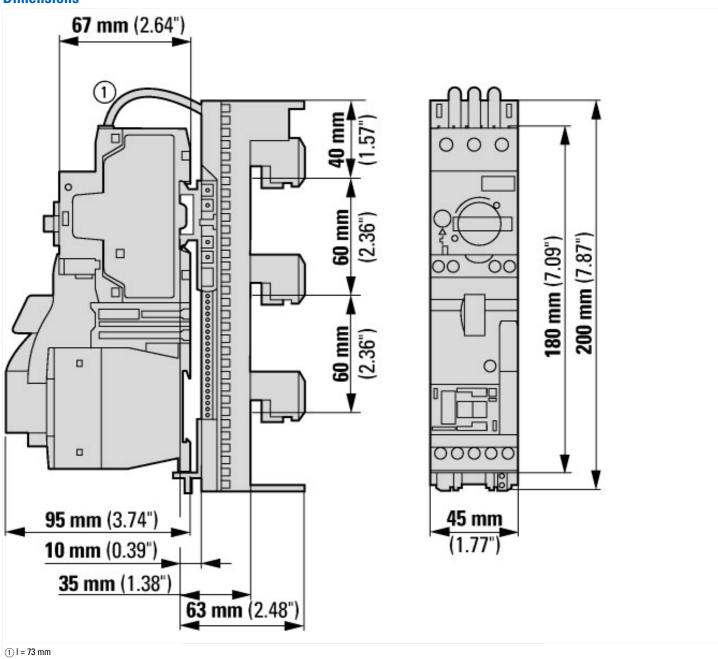
With short-circuit release Yes Rated control supply windage Us at AC 50HZ V 230 - 230 Rated control supply windage Us at AC 50HZ V 0 - 0 Rated control supply windage Us at AC 50HZ V 0 - 0 Voltage type for actuating AC Rated opporer at AC 3, 280 V 3-phase RW 4 Rated opporer at AC 3, 400 V RW 7.5 Rated power, 48 V, 50 Hz, 3-phase RW 0 Rated opporeration current te A 152 Rated opporeration current te AC-3, 400 V A 152 Rated opporeration current text AC-3, 400 V A 156 Overload release current setting A 10 - 16 Rated conditional short-circuit current, type 1, 480 Y277 V A 0 Rated conditional short-circuit current, type 1, 480 Y277 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally closed contact F 80 Release class Cass 1			
Rated control supply voltage Us at AC 60HZ V 200 - 220 Rated control supply voltage Us at AC 60HZ V 0 - 0 Rated operation power at AC-5, 220 V, 3-phase kW 4 Rated operation power at AC-3, 400 V kW 7.5 Rated operation power at AC-3, 400 V kW 0 Rated operation power at AC-3, 400 V kW 0 Rated operation current le A 152 Rated operation current at AC-3, 400 V A 152 Rated operation current at AC-3, 400 V A 15 Voverload release current setting A 10 - 16 Rated conditional short-circuit current, type 1, 480 V/371 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally open contact Yes Number of auxiliary contacts as normally open contact Yes Number of auxiliary contacts as normally open contact Yes Name of electrical connection of main circuit Yes Yes of electrical connection of main circui	Kind of motor starter		Direct starter
Rated control supply voltage Us at DC V 0 - 0 Voltage type for actuating AC Rated operation power at AC-3, 230 V.3-phase RW 4 Rated operation power at AC-3, 400 V RW 7.5 Rated power, 595 V, 50 Hz, 3-phase RW 0 Rated operation current at AC-3, 400 V A 15.2 Rated operation current at AC-3, 400 V A 15.2 Rated operation current at AC-3, 400 V A 15.0 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 2, 200 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Number of auxiliary contacts as normally open contact ***C 6 Number of auxiliary contacts as normally closed contact ***C 6 Temperature compensated overload protection ***C 6	With short-circuit release		Yes
Rated control supply voltage Us at DC V 0 - 0 Voltage type for actuating KW 4 Rated operation power at AC-3, 280 V, 3-phase KW 4 Rated operation power at AC-3, 480 V KW 0 Rated operation current at AC-3, 480 V KW 0 Rated operation current at AC-3, 480 V A 15-2 Rated operation current at AC-3, 480 V A 15-0 Overload rolesse current setting A 10-18 Rated conditional short-circuit current, type 1, 480 V/277 V A 0 Rated conditional short-circuit current, type 2, 280 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally closed contact C 60 Ambient temperature, upper operating limit C 60 Temperature compensated overload protection C 60 Type of electrical connection of main circuit C 80 Type of electrical connection for auxiliary- and control current circuit C	Rated control supply voltage Us at AC 50HZ	V	230 - 230
Voltage type for actuating AC Rated operation power at AC-3, 230 V, 3-phase kW 4 Rated power at AC-3, 400 V kW 7.5 Rated power, 640 V, 60 Hz, 3-phase kW 0 Rated operation current te A 15.2 Rated operation current at AC-3, 400 V A 15.2 Rated conditional short-circuit current, type 1, 480 V/277 V A 0 Rated conditional short-circuit current, type 1, 500 V/347 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Number of auxiliary contacts as normally closed contact B 0 Ambient temperature, upper operating limit. C C Release class C C Release class C C Relatical connection for auxiliary- and control current circuit C C Relatical connection for auxiliary- a	Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated operation power at AC-3, 290 V, 3-phase kW 7.5 Rated operation power at AC-3, 400 V kW 0 Rated power, 490 V, 80 Hz, 3-phase kW 0 Rated operation current le AW 152 Rated operation current et AC-3, 400 V AW 15 Rated operation current et AC-3, 400 V AW 15 Overload release current setting AW 10-16 Rated conditional short-circuit current, type 1, 480 Y/277 V AW 0 Rated conditional short-circuit current, type 2, 230 V AW 0 Rated conditional short-circuit current, type 2, 240 V AW 0 Rated conditional short-circuit current, type 2, 240 V AW 0 Rated conditional short-circuit current, type 2, 240 V AW 0 Number of auxiliary contacts as normally closed contact VB 0 Number of auxiliary contacts as normally closed contact YB CLASS 10 Temperature compensated overload protection YB CLASS 10 Type of electrical connection for main circuit YB YB Type of electrical connection for auxiliary- and control c	Rated control supply voltage Us at DC	V	0 - 0
Rated operation power at AC-3, 400 V kW 7.5 Rated power, 480 V, 60 Hz, 3-phase kW 0 Rated operation current le AW 0 Rated operation current at P 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 2, 230 V A 0 Rated conditional short-circuit current, type 2, 240 V A 0 Rated conditional short-circuit current, type 2, 240 V A 0 Number of auxiliary contacts as normally closed contact B 0 Number of suikilary contacts as normally closed contact Yes C Release class C 60 Temperature compensated overload protection Yes C Release class C CLASS 10 Type of electrical connection of main circuit Screw connection With transformer No No Number of command positions No C<	Voltage type for actuating		AC
Rated power, 400 V, 60 Hz, 3-phase kW 0 Rated power, 575 V, 60 Hz, 3-phase kW 0 Rated operation current ta AC-3, 400 V A 15.2 Rated operation current at AC-3, 400 V 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, 240 V A 0 Rated conditional short-circuit current, type 2, 240 V A 0 Number of auxiliary contacts as normally closed contact B 1 Mumber of auxiliary contacts as normally closed contact C 86 Release class C 60 Temperature compensated overload protection Yes Release class C CLASS 10 Type of electrical connection of main circuit Yes Rell auunting possible Yes With transformer No Number of command positions No Suitable for emergency st	Rated operation power at AC-3, 230 V, 3-phase	kW	4
Rated power, 575 V, 60 Hz, 3-phase kW 0 Rated operation current le 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 2, 230 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally open contact I 1 Number of auxiliary contacts as normally closed contact Ves 60 Ambient temperature, upper operating limit °C 60 Temperature compensated overload protection Screw connection Ves Release class CLASS 10 CLASS 10 Type of electrical connection for auxiliary- and control current circuit Screw connection Ves Ruil mounting possible Yes No With transformer No No Number of indicator lights Class 1 No	Rated operation power at AC-3, 400 V	kW	7.5
Rated operation current at AC-3, 400 V A 15.2 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, 400 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally open contact 1 1 Number of auxiliary contacts as normally closed contact C 60 Ambient temperature, upper operating limit °C 60 Temperature compensated overload protection Yes CLASS 10 Type of electrical connection of main circuit Screw connection Screw connection Type of electrical connection for auxiliary- and control current circuit Screw connection Yes With transformer No No Number of command positions 0 Class 1 Number of indicator lights No Class 1 External	Rated power, 460 V, 60 Hz, 3-phase	kW	0
Rated operation current at AC-3, 400 V Overload release current setting Rated conditional short-circuit current, type 1, 480 Y/277 V Rated conditional short-circuit current, type 1, 500 Y/347 V Rated conditional short-circuit current, type 2, 230 V Rated conditional short-circuit current, type 2, 230 V Rated conditional short-circuit current, type 2, 400 V Rated conditional short-circuit curre	Rated power, 575 V, 60 Hz, 3-phase	kW	0
Overload release current setting Rated conditional short-circuit current, type 1, 480 Y/277 V Rated conditional short-circuit current, type 1, 500 Y/347 V Rated conditional short-circuit current, type 2, 230 V Rated conditional short-circuit current, type 2, 230 V Rated conditional short-circuit current, type 2, 400 V Rated conditional sho	Rated operation current le	Α	15.2
Rated conditional short-circuit current, type 1, 480 Y/277 V A 0 0 Rated conditional short-circuit current, type 2, 230 V A 0 0 Rated conditional short-circuit current, type 2, 230 V A 0 0 Rated conditional short-circuit current, type 2, 400 V A 0 0 Rumber of auxiliary contacts as normally open contact 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rated operation current at AC-3, 400 V	Α	15
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, 240 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Rumber of auxiliary contacts as normally closed contact 0 Rumber of auxiliary contacts as normally closed contact 0 Rumber of auxiliary contacts as normally closed contact 0 Rumber of auxiliary contacts as normally closed contact 0 Rumber of auxiliary contacts as normally closed contact 0 Release class CLASS 10 Temperature compensated overload protection (1 Type of electrical connection of main circuit 1 Type of electrical connection for auxiliary- and control current circuit 1 Rail mounting possible Ves With transformer No Number of command positions 0 Suitable for emergency stop Coordination class according to IEC 60947-4-3 No Coordination class according to IEC 60947-4-3 No Number of indicator lights 0 External reset possible No With fuse No Degree of protection (IP) P20 Degree of protection (NEMA) Other	Overload release current setting	Α	10 - 16
Rated conditional short-circuit current, type 2, 230 V Rated conditional short-circuit current, type 2, 400 V Rated conditional short-circuit current, type 2, 400 V Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as normally closed contact Release class Release class CLASS 10 Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse Degree of protection (IP) Degree of protection (NEMA)	Rated conditional short-circuit current, type 1, 480 Y/277 V	Α	0
Rated conditional short-circuit current, type 2, 400 V Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally closed contact Anbient temperature, upper operating limit CC 60 Temperature compensated overload protection Release class Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse Degree of protection (IP) Degree of protection (NEMA)	Rated conditional short-circuit current, type 1, 600 Y/347 V	А	0
Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally closed contact Anbient temperature, upper operating limit Temperature compensated overload protection Release class Release class Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse Degree of protection (IP) Degree of protection (NEMA)	Rated conditional short-circuit current, type 2, 230 V	Α	0
Number of auxiliary contacts as normally closed contact Ambient temperature, upper operating limit Temperature compensated overload protection Release class CLASS 10 Screw connection Type of electrical connection for auxiliary- and control current circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer No Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse Degree of protection (IP) Degree of protection (NEMA) Degree of protection (NEMA)	Rated conditional short-circuit current, type 2, 400 V	Α	0
Ambient temperature, upper operating limit Temperature compensated overload protection Release class Release class CLASS 10 CLASS 10 Screw connection Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse Degree of protection (NEMA) Degree of protection (NEMA)	Number of auxiliary contacts as normally open contact		1
Temperature compensated overload protection Release class CLASS 10 Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible No With fuse Degree of protection (IP) Degree of protection (NEMA) Yes CLASS 10 Screw connection No Screw connection No Corew connection connectio	Number of auxiliary contacts as normally closed contact		0
Release class Type of electrical connection of main circuit Screw connection Type of electrical connection for auxiliary- and control current circuit Rail mounting possible Yes With transformer No Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible No With fuse Degree of protection (IP) Degree of protection (NEMA) CLASS 10 CLAS 10 CLASS 10 CLASS 10 CLASS 10 CLASS 10 CLASS 10 CLASS 10 CLAS 10 CLASS 10 CLAS 10 CLASS 10 CLASS 10 CLASS 10 CLASS 10 CLASS 10 CLASS 10 CLAS 10 CLASS 10 CLA	Ambient temperature, upper operating limit	°C	60
Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer With transformer No Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse Degree of protection (IP) Degree of protection (NEMA) Screw connection No Other	Temperature compensated overload protection		Yes
Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer No Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse Degree of protection (IP) Degree of protection (NEMA) Screw connection Yes Screw connection Yes Screw connection Yes No 0 Cordination Class 1 Class 1 O Class 1 No No Degree of protection (IP) Degree of protection (NEMA) Other	Release class		CLASS 10
Rail mounting possible With transformer No Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible No With fuse Degree of protection (IP) Degree of protection (NEMA) Yes No Code No Code No Code No No No Other	Type of electrical connection of main circuit		Screw connection
With transformer No Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible No With fuse Degree of protection (IP) Degree of protection (NEMA) No No No No Other	Type of electrical connection for auxiliary- and control current circuit		Screw connection
Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible No With fuse Degree of protection (IP) Degree of protection (NEMA) O O O O O O O O O O O O O	Rail mounting possible		Yes
Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible No With fuse No Degree of protection (IP) Degree of protection (NEMA) No No Other	With transformer		No
Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible No With fuse Degree of protection (IP) Degree of protection (NEMA) Class 1 No No Other	Number of command positions		0
Number of indicator lights External reset possible No With fuse No Degree of protection (IP) Degree of protection (NEMA) Other	Suitable for emergency stop		No
External reset possible No With fuse No Degree of protection (IP) Degree of protection (NEMA) No IP20 Other	Coordination class according to IEC 60947-4-3		Class 1
With fuse No Degree of protection (IP) IP20 Degree of protection (NEMA) Other	Number of indicator lights		0
Degree of protection (IP) Degree of protection (NEMA) Other	External reset possible		No
Degree of protection (NEMA) Other	With fuse		No
	Degree of protection (IP)		IP20
Supporting protocol for TCP/IP No	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

Dimensions



MSC-D-...-M7[...15]BBA...

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		
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	