DATASHEET - MSC-DE-4-M17-SP(110V50HZ,120V60HZ)



DOL starter, 380 V 400 V 415 V: 1.5 kW, Ir= 1 - 4 A, 110 V 50 Hz, 120 V 60 Hz, AC voltage

Powering Business Worldwide*

Part no. MSC-DE-4-M17-SP(110V50HZ,120V60HZ)

Catalog No. 167803

Alternate Catalog XTFCE004BCCSA

No.

Delivery program			
Basic function			Type E DOL starters (complete devices)
Basic device			MSC
Components for			North America
Connection to SmartWire-DT			no
Motor ratings			
Motor rating			
AC-3			
380 V 400 V 415 V	P	kW	1.5
Maximum motor rating			
AC HP = PS			
200 V 208 V		HP	0.75
230 V 240 V		HP	0.75
460 V 480 V		HP	2
Short Circuit Current Rating			
240 V		kA	18
480 Y 277 V		kA	18
Setting range			
Setting range of overload releases	I _r	Α	1 - 4
Contact sequence			M 3~
Actuating voltage			110 V 50 Hz 120 V 60 Hz

AC voltage

Motor-protective circuit-breakers PKE12/XTU-4 Contactor DILM17-10(...)

DOL starter wiring set

Mechanical connection element and electrical electric contact module PKZM0-XDM32

Extension terminal BK25/3-PKZ0-E

Notes

The DOL starter type E (complete devices) consists of a PKE motor-protective circuit-breaker with AK-PKZ0, a DILM contactor and an extension terminal BK25/3-PKZ0-E.

Motor-protective circuit-breaker and contactor mounted on top hat rail adapter plate.

The connection of the main circuit between PKE and contactor is established with electrical contact modules.

Technical data

General

Standards			IEC/EN 60947-4-1, VDE 0660, UL, CSA
Mounting position			
Altitude		m	Max. 2000
Ambient temperature			-25 - +55
Main conducting paths			
Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U _e	V	208 - 600

Main conducting paths			
Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U _e	V	208 - 600
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
380 V 400 V	l _e	Α	4
AC-4 cycle operation			
Minimum current flow times		ms	500 (Class 5) 700 (Class 10) 900 (Class 15) 1000 (Class 20)
Minimum cut-out periods		ms	500
Note		ms	In AC-4 cycle operation, going below the minimum current flow time can cause overheating of the load (motor). For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods.

Additional technical data

Motor protective circuit breaker PKZM0, PKE			PKE motor-protective circuit-breaker, see motor-protective circuit-breaker product group DILM contactors, see contactor product group
DILM contactors			
Current heat loss			
Current heat loss at I _e to AC-3/400 V		W	1.5
Power consumption of the coil in a cold state and 1.0 x $\ensuremath{\text{U}_{\text{S}}}$			
Dual-voltage coil 50 Hz	Sealing	W	2.1

Rating data for approved types

Switching capacity		
Maximum motor rating		
Three-phase		
200 V 208 V	HP	0.75
230 V 240 V	HP	0.75
460 V 480 V	НР	2
Auxiliary contacts		

Pilot Duty		
AC operated		A600
DC operated		P300
General Use		
AC	V	600
AC	Α	15
DC	V	250
DC	Α	1
Short Circuit Current Rating, type E	SCCR	
240 V	kA	18
480 Y / 277 V	kA	18

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	4
Heat dissipation per pole, current-dependent	P _{vid}	W	0.5
Equipment heat dissipation, current-dependent	P _{vid}	w	1.5
Static heat dissipation, non-current-dependent	P _{vs}	w	2.1
Heat dissipation capacity	P _{diss}	w	0
Operating ambient temperature min.	uiss	°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])

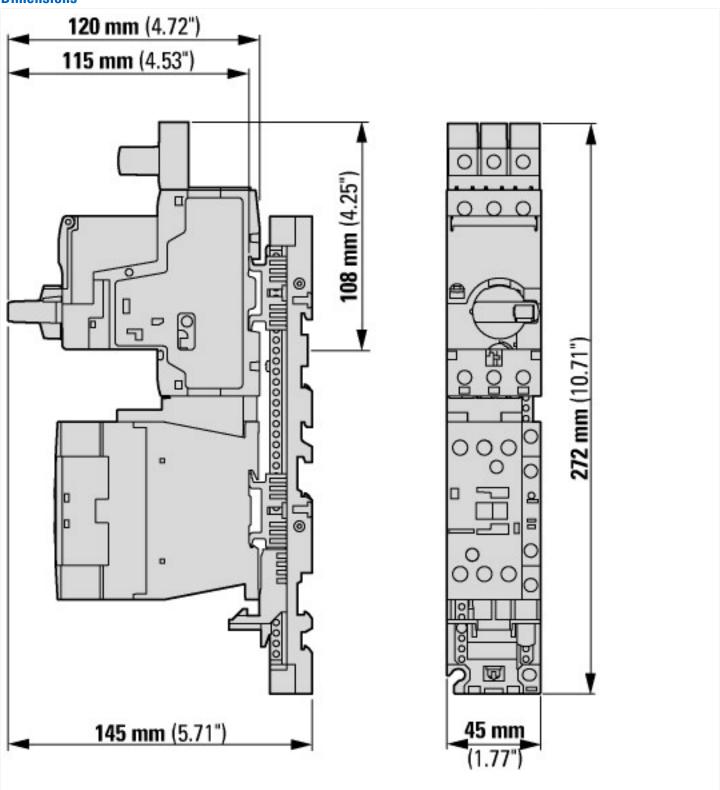
· · · · · · · · · · · · · · · · · · ·	
Kind of motor starter	Direct starter
With short-circuit release	Yes

Rated control supply voltage Us at AC 59HZ	
Rated control auguly voltage Us at DC V 0 - 0 Voltage type for actuating AC Rated aperation power at AC-3, 280 Y, 3-phase MW 7.5 Rated operation power at AC-3, 400 V AW 7.5 Rated operation current temes MW 1.47 Rated operation current temes A 12 Rated operation current temes A 1.4 Rated operation current temes A 1.4 Rated operation current temes A 1.4 Rated operation current tempter tempter type 1,800 Y/37 V A 0 Rated conditional short-circuit current, yee 2,200 V A 0 Rated conditional short-circuit current, yee 2,200 V A 0 Number of auxiliary contacts as normally opera contact C 0 Rated conditional short-circuit current, yee 2,200 V A 0 Number of auxiliary contacts as normally opera contact C 0 Rated conditional short-circuit current, yee 2,400 V C 0 Rated conditional short-circuit current, yee 2,400 V C 0 Rated conditional short-circuit	
Voltage type for actuating AC Rated operation power at AC-3, 280 V.3-phase WW 0.55 Rated operation power at AC-3, 480 V WW 1.47 Rated power, 575 V, 60 Hr, 3-phase WW 0.00 Rated operation current le A.0 1.2 Rated operation current at AC-3, 400 V A.0 4.0 Overload rolesses current setting A.0 1.4 Rated operation current, type 1, 460 Y/277 V A.0 0.0 Rated conditional short-circuit current, type 1, 560 Y/347 V A.0 0.0 Rated conditional short-circuit current, type 2, 230 V A.0 0.0 Rated conditional short-circuit current, type 2, 400 V A.0 0.0 Rated conditional short-circuit current, type 2, 250 V A.0 0.0 Rated conditional short-circuit current, type 2, 400 V A.0 0.0 Rated conditional short-circuit current, type 2, 400 V A.0 0.0 Rated conditional short-circuit current, type 2, 400 V A.0 0.0 Rated conditional short-circuit current, type 2, 400 V A.0 0.0 Rated conditional short-circuit current, type 2, 400 V	
Rated operation power at AC-3, 20 V, 3-phase NW 0.75 Rated operation power at AC-3, 20 V, 3-phase NW 1.47 Rated operation current le NW 0 Rated operation current le A 12 Rated operation current set AG-3, 400 V A 4 Overload release current setting A 1-4 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/277 V A 0 Rated conditional short-circuit current, type 1, 680 Y/274 V A 0 Rated conditional short-circuit current, type 2, 740 V A 0 Rated	
Rated operation power at AC-3, 400 V WW 1.57 Rated opower, 400 V, 50 Hz, 3-phase WW 1.77 Rated operation current le A 12 Rated operation current at AC-3, 400 V A 2 Rated operation current traes ac current setting A 1 Rated conditional infort-circuit current, type 1, 400 V/277 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 an omality closed contact C 0 Number of auxiliary contacts as an omality closed contact C 0 Ambient analysis of electrical connection of main circuit C 0 Tomperature compensated worded protection C 9 0 Release aleas C Adjustable Type of electrical connection for auxiliary- and control current circuit C 0 0 Number of indicator lights C 0 0 Suitable for emergency stop C 0 0 Correlations class accordin	
Rated power, 460 V, 60 Hz, 3-phase NW 1.47 Rated power, 575 V, 68 Hz, 3-phase NW 1.40 Rated operation current it AC-3, 400 V	
Rated power, 75 FV, 66 Hz, 3-phase	
Rated operation current te A 12 Rated operation current at AC-3, 400 V A 4 Overload release current setting A 1 - 4 Rated conditional short-circuit current, type 1, 460 V/237 V A 0 Rated conditional short-circuit current, type 2, 200 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally closed contact B 0 Ambient temperature, upper operating limit C 80 Temperature compensated overload protection Yes 8 Release class Yes Yes Type of electrical connection of main circuit Yes Yes Type of electrical connection for auxiliary- and control current circuit Yes No Number of command positions Yes No With transformer Yes No Type of electrical connection for auxiliary- and control current circuit Yes No Suitable for emergency stop Yes No Conditional positions Yes No Supporting protec	
Bated operation current at AC-3, 400 V A 4 Overload release current setting A 1 - 4 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, 400 V A 0 Number of auxiliary contacts as normally open contact C 6 Number of auxiliary contacts as normally closed contact C 6 Ambient temperature, upper operating limit C 6 Tomperature compensated overload protection Yes C Release class Yes Adjustable Type of electrical connection for auxiliary- and control current circuit Screw connection Yes Number of command positions O C Suitable for emergency stop No C Coordination class according to IEC 6947-4-3 No C Sutable for emergency stop No No Extransi reset possible Possible No With fuse No No Degree of protection IPP <td></td>	
Overload release current setting A 1 - 4 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 Number of auxiliary contacts as normally open contact B 1 Number of auxiliary contacts as normally closed contact C 60 Ambient temperature, upper operating limit C 60 Temperature compensated overload protection Yes Adjustable Release class Adjustable Cerew connection Type of electrical connection for auxiliary-and control current circuit Yes Cerew connection Reli mounting possible Yes No Yes Vibit transformer Yes No Yes Number of command positions Yes No Yes Suitable for emergency stop Yes No Yes Coordination class according to IEC 69047-4-3 Yes No Number of indicator lights Yes Yes Degree of protection	
Rated conditional short-circuit current, type 1, 600 Y/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 Number of auxiliary contacts as normally open contact 1 1 Number of suiliary contacts as normally closed contact 0 6 Ambient temperature, upper operating limit °C 60 Temperature compensated overload protection Adjustable Activatable Release class Adjustable Screw connection Type of electrical connection of main circuit Screw connection Screw connection Rail mounting possible Yes No With transformer No No Number of command positions 0 No Suitable for emergency stop No No Coordination class according to IEC 60947-4.3 No No External reset possible No No External reset possible No No Supp	
Rated conditional short-circuit current, type 2, 230 V A 0 Rated conditional short-circuit current, type 2, 230 V A 0 Number of auxiliary contacts as normally open contact B 1 Number of auxiliary contacts as normally closed cortact °C 60 Ambient temperature, upper operating limit °C 60 Tomperature compensated overload protection Yes Adjustable Release class Corew connection Screw connection Type of electrical connection of main circuit Screw connection Yes Reliance in muniting possible Yes No With transformer No No Number of command positions 0 Corew connection Suitable for emergency stop Class 2 Class 2 Condination class according to IEC 60947-4-3 No No Number of indicator lights 0 No External reset possible No No With fuse Po No Supporting protection (IP) No No Supporting protection (IP) No	
Rated conditional short-circuit current, type 2, 200 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally closed contact 4 1 Number of auxiliary contacts as normally closed contact °C 60 Ambient temperature, upper operating limit °C 80 Temperature compensated overload protection Yes Adjustable Type of electrical connection of main circuit Screw connection Screw connection Rela mounting possible Yes Adjustable With transformer Yes No Number of indicator lights Yes No External reset possible Yes No With fuse Yes No External reset possible Yes No With fuse Yes No Degree of protection (IP) Yes No Degree of protection (NEMA) Yes No Supporting protocol for TCP/IP No No Supporting protocol for TCAN Yes No Su	
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 Ambient temperature, upper operating limit Temperature compensated overload protection Release class Release class 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 69947-4-3 Number of indicator lights External reset possible With fuse Supporting protection (IP) Degree of protection (IP) Degree of protection (IPRIA) Supporting protect of or PROFIBUS Supporting protect of for CAN Supporting protect of for CAN Supporting protect of for ASI Supporting protect of for Dats-Highway Supporting protect of to Dats-Highway Supporting protect of to Dats-Highway Supporting protect of to DeviceNet Supporting protect of to DeviceNet Supporting protect of to Dats-Highway	
Number of auxiliary contacts as normally closed contact 0 Number of auxiliary contacts as normally closed contact °C 60 Ambient temperature, upper operating limit °C 60 Temperature compensated overload protection Percentage of Section (Properature compensated overload protection) Adjustable Release class Adjustable Screw connection Type of electrical connection for auxiliary- and control current circuit Screw connection With transformer Ves No With transformer No O Number of command positions O No Suitable for emergency stop Class 2 Class 2 Coordination class according to IEC 80947-4-3 No O Number of indicator lights No No Stetranal reset possible No No With fuse Po No Degree of protection (IP) P20 P20 Degree of protection (IP) P20 P20 Supporting protect of for ROFIFIUS No No Supporting protect of for ROFIFIUS No No	
Number of auxiliary contacts as normally closed contact Ambient temperature, upper operating limit 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 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) Supporting protocol for TCP/IP Supporting protocol for INTERBUS Supporting protocol for MDBUS Supporting protocol for MDBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for DeviceNet	
Ambient temperature, upper operating limit 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 With transformer Number of command positions Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fluse Degree of protection (IP) Degree of protection (IP) Degree of protection (IPROFIBUS Supporting protocol for TCP/IP Supporting protocol for TCP/IP Supporting protocol for MODBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for DeviceNet Supporting protocol for DeviceNet Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for D	
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 No With transformer Number of indicator lights External reset possible No With transformer Number of indicator lights Ogeree of protection (NEMA) Supporting protecol for TCP/IP Supporting protecol for DCP/IP Supporting protecol for DCP/	
Release class Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer 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 No Degree of protection (NEMA) Supporting protocol for TCP/IP Supporting protocol for CAN Supporting protocol for ASI Supporting protocol for MDBUS Supporting protocol for MDBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for Data-Highway Supporting protocol for DeviceNet	
Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible With transformer With transformer With transformer Number of command positions Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights Coordination class according to IEC 60947-4-3 Number of indicator lights Coordination class according to IEC 60947-4-3 No With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protecol for TCP/IP Supporting protecol for TCP/IP Supporting protecol for CAN Supporting protecol for INTERBUS Supporting protecol for INTERBUS Supporting protecol for MODBUS Supporting protecol for MODBUS Supporting protecol for Data-Highway Supporting protecol for DeviceNet	
Type of electrical connection for auxiliary- and control current circuit Bail 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) Supporting protocol for TCP/IP Supporting protocol for CAN Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for NODBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for DeviceNet Supporting protocol for DeviceNet No Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Bail mounting possible Yes With transformer No Number of command positions 0 Suitable for emergency stop No Coordination class according to IEC 60947-4-3 Class 2 Number of indicator lights 0 External reset possible 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 INTERBUS No Supporting protocol for MODBUS No Supporting protocol for Data-Highway No Supporting protocol for Data-Highway No Supporting protocol for Data-Highway No	
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) Supporting protocol for TCP/IP Supporting protocol for CAN Supporting protocol for CAN Supporting protocol for CAN Supporting protocol for ASI Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No No Supporting protocol for DeviceNet	
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 No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for ASI Supporting protocol for ASI Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for DeviceNet No No No No No No No No No N	
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) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet No Class 2 Class 2 Class 2 No No No No No No No Supporting protocol for MODBUS Supporting protocol for Data-Highway No Supporting protocol for Data-Highway Supporting protocol for DeviceNet No Supporting protocol for DeviceNet	
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) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS No Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for MODBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway No Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Number of indicator lights External reset possible With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No No Supporting protocol for DeviceNet No No No No No No No No No N	
External reset possible With fuse Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No No No No No No No No No N	
With fuse No Degree of protection (IP) IP20 Degree of protection (NEMA) Other Supporting protocol for TCP/IP No Supporting protocol for PR0FIBUS 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	
Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet No No No No No No No No No N	
Degree of protection (NEMA) Supporting protocol for TCP/IP No Supporting protocol for PR0FIBUS No Supporting protocol for CAN Supporting protocol for INTERBUS No Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Supporting protocol for TCP/IP Supporting protocol for PROFIBUS No Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No	
Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for INTERBUS No Supporting protocol for ASI No Supporting protocol for MODBUS Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Supporting protocol for CAN Supporting protocol for INTERBUS No Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Supporting protocol for INTERBUS Supporting protocol for ASI No Supporting protocol for MODBUS No Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Supporting protocol for ASI Supporting protocol for MODBUS No Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Supporting protocol for MODBUS Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No	
Supporting protocol for Data-Highway No Supporting protocol for DeviceNet 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 272	

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.	3211-08
North America Certification	UL listed, CSA certified
Specially designed for North America	Yes

Dimensions



Additional product information (links)

IL03402052Z Motorstarter combination: type E starter/type F starter with PKE

IL03402052Z Motorstarter combination: type I starter/type F starter with PKE

IL03402052Z Motorstarter combination: type E https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402052Z2020_07.pdf