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

No.



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



Part no.MSC-DE-4-M17-SP(110V50HZ,120V60HZ)Catalog No.167803Alternate CatalogXTFCE004BCCSA

#### **Delivery program**

Derivery 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	Р	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 <sub>r</sub>	A	1 - 4
Contact sequence			
Actuating voltage			110 V 50 Hz 120 V 60 Hz

	AC voltage
Motor-protective circuit-breakers PKE12/XTU-4	
Contactor DILM17-10()	
<b>DOL starter wiring set</b> Mechanical connection element and electrical electric contact module PKZM0-XD	M32
Extension terminal BK25/3-PKZ0-E	
Notes	
The DOL starter type E (complete devices) consists of a PKE motor-protective circu	it-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 pla	te.

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

Additional technical data         Additional technical data         Motor protective circuit breaker PKZM0, PKE       PKE motor-protective circuit-breaker, see motor-protective circuit-breaker, see motor-protective circuit-breaker, see contactor product group         DILM contactors       PKE         Current heat loss at le to AC-3/400 V       V         Current heat loss at le to AC-3/400 V       V         Dual-voltage coil 50 Hz       Sealing         Switching capacity       Sealing         Maximum motor rating       I         Three-phase       I         200 V       PN         200 V       PN         200 V       I         200 V       I <th>n     Note the set of the set</th> <th>Technical data</th> <th></th> <th></th> <th></th>	n     Note the set of the set	Technical data			
Moning position         Image: Solution dependence         Image: Sol	n     No     No       n     No     No <th>General</th> <th></th> <th></th> <th></th>	General			
Athode       Image: Source of the second secon	with a set of	Standards			IEC/EN 60947-4-1, VDE 0660, UL, CSA
Anhient tamper sture       25 - 55         Main conducting paths       600         Doew voltage exition y folded       0       600         Bated operational current       0       0       0         Bated operational current       0       0       0       0         Bated operational current       0 </td <td>tare and voltage and the set of t</td> <td>Mounting position</td> <td></td> <td></td> <td></td>	tare and voltage and the set of t	Mounting position			
Main conducting paths       VAC       000         Rated impukes withstand voltage       Ump       VAC       000         Overvoltage category/polition degree       Ue       VAC       000         Rated operational voltage       Ue       VAC       000         Open 3-politional current       Ue       VAC       000         Open 3-politional current       Imp       A       4         Open 3-politional current       Imp       A       4         Minimum current flow times       Imp       A       4         Minimum current flow times       Imp       Max       500         Minimum current flow times       Imp       S00       S00         Note       Imp       S00       S00       S00         Note       Imp       S00       S00 <td>histand voltage histand voltage histand voltage yov/pollution degree yov</td> <td>Altitude</td> <td></td> <td>m</td> <td>Max. 2000</td>	histand voltage histand voltage histand voltage yov/pollution degree yov	Altitude		m	Max. 2000
Bated impuke withstand voltage     Ump     VAC     6000       Dervoltage category/follution degree     Ug     11/3       Bated operational voltage     Ug     28-600       Bated operational current     Ump     28-600       Opens Apolie: 50-60 Hz	hstand voltage         Ump         YAC         6000           pory/pollution degree         Ue         V         208 - 600           current         V         208 - 600           current         V         V         208 - 600           for 06 Hz         V         V         1           for 06 Hz         V         V         1           rion         V         V         1           ent flow times         V         S00 (Class 10) 700 (Class 10) 700 (Class 10) 700 (Class 10) 700 (Class 10)         S00 (Class 10) 700 (Class 10)           out periods         M         S00         S00 (Class 10) 700 (Class 10)           out periods         M         S00         S00 (Class 10)           out periods         M         S00         S00 (Class 10)           number of the load (motor).         For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum current flow time can cause group         NEW For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum current flow time can cause group           stas at lu to AC-3/400 V         M         M         M           at loss at lu to AC-3/400 V         M         S0         M           seoi 50Hz         Soaing         M	Ambient temperature			-25 - +55
Overotage category/pollution degree     U     IN/4       Rated operational votage     U     208 600       Rated operational current     Image: Construction of the Construction of t	yotage         Na         Na           votage         Na         Second           courrent         Na         Second           50-60 Hz         Na         Second           A         Second         Second           diana         Second         Second           ent flow times         Second         Second           out periods         Second         Second           second         Second <td>Main conducting paths</td> <td></td> <td></td> <td></td>	Main conducting paths			
Rated operational voltage     Ua     Va     286-000       Rated operational current     Mained operational current     Mained operational current     Mained operational current       380 V 400 V     Ia     A       AC-4 cycle operation     Ia     A       Minimum current flow times     Ia     Mained operation       Minimum current flow times     Ia     S00 (Class 5)       Note     S00 (Class 10)     1000 (Class 20)       Minimum current flow times     S00     S00 (Class 10)       Note     S00     S00 (Class 10)       Note     S00     S00 (Class 10)       Note     S00     S00 (Class 10)       DUL contactors     Im     S00 (Class 10)       Current heat loss at le to AC-3/400 V     Im     S00 (Class 10)       Current heat loss at le to AC-3/400 V     Im     F     Mained operational durations with an SVD activation, you need not adhere to the corrent flow times and minum current flow times and the cold in a cold state and 1.0 x Ug     Im     F       Power consumption of the coil in a cold state and 1.0 x Ug     Im     Im     Im       Power consumption of the coil in a cold state and 1.0 x Ug     Im     Im     Im       Sold lats for approved types     Im     Im     Im       Sold lats for approved types     Im     Im     Im	voltage         Ue         Ve         Ve         208 - 600           iourrent	Rated impulse withstand voltage	U <sub>imp</sub>	V AC	6000
Related operational current       Image: Related operation is 0 = 60 Hz       Image: Related operation is 0 = 60 Hz         380 V 400 V       Image: Related operation is 000 (Class 51)       S000 (Class 51)         Minimum current flow times       S000 (Class 51)       S000 (Class 51)         Minimum current flow times       S000 (Class 51)       S000 (Class 51)         Minimum current flow times       S000 (Class 51)       S000 (Class 51)         Note       Image: Related operation, going below the minimum current flow time can overheating of the load (Imato).       For all combinations with an SWD activation, you need not achiere to the current flow times and minimum curt out periods.         Additional technical data       For all combinations with an SWD activation, you need not achiere to the current flow times and minimum curt out periods.         DUM contactors       For all combinations with an SWD activation, you need not achiere to the current flow times and minimum curt out periods.         Current heat loss at I <sub>10</sub> to AC-3/400 V       For all combinations with an SWD activation, you need not achiere to the current flow times and minimum curt out periods.         Dub contactors       For all combinations with an SWD activation, you need not achiere to the current flow times and minimum curt out periods.         Current heat loss at I <sub>10</sub> to AC-3/400 V       For all combinations with an SWD activation, you need not achiere to the current flow times and minimum curt out periods.         Three-phase       For all combinations with a	icurrent 50-60 Hz // Construction ion ent flow times out periods hnical data circuit breaker PKZM0, PKE circuit breaker PKZM0, P	Overvoltage category/pollution degree			111/3
Open, 3-pole: 50 - 60 Hz         Image: A Comparison         Image: A Comparison<	50 - 60 Hz         Ice         Ice         A         4           // A         Image: A         Im	Rated operational voltage	U <sub>e</sub>	V	208 - 600
380 v400 V     Ip     A       AC-4 cycle operation     Image: Sol (Class 5) 1000 (Class 10)	Image: Market in the second	Rated operational current			
AC-4 cycle operation       Image: Section (Class 5)         Minimum current flow times       500 (Class 5)         Minimum cur-out periods       ms       500         Note       ms       500         Note       ms       500         Additional technical data       ms       500         Additional technical data       ms       500         Additional technical data       ms       For all combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation, you need not adhere to the combinations with an SWD activation you need not adhere to the combinations with an SWD activation you need not adhere to the combination you need not adhere to the combi	ion       i	Open, 3-pole: 50 – 60 Hz			
Minimum current flow times         Maine         Maine         Sol Class 5) 7000 (Class 10) 7000 (Class 10) 7000 (Class 20)           Minimum cut-out periods         50           Note         50           Note         50           Additional technical data         res           Additional technical data         For all combinations with an SVVD activation, you need not adhere to the corrent heat loss of the load (motor). For all combinations with an SVVD activation, you need not adhere to the corrent heat loss at I <sub>0</sub> to AC-3/400 V           Dulk contactors         VEX         PKE motor-protective circuit-breaker, see motor-protective circuit-breaker group           Dulwontactors         VEX         PKE motor-protective circuit-breaker, see motor-protective circuit-breaker, see notor-protective circuit-breaker	ent flow times being and b	380 V 400 V	l <sub>e</sub>	А	4
Iminimum cut- out periodsIminimum cut- out periodsIminimum cut- out periodsIminimum cut- out periodsNoteIminimum cut- out periodsIminimum cut- out periodsIminimum cut- out periodsAdditional technical dataIminimum cut- out periodsIminimum cut- out periods </td <td>out periods       Ms       500         out periods       Ms       500         out periods       Ms       500         out periods       Ms       In AC-4 cycle operation, going below the minimum current flow time can cause overheating of the load (motor).         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum curent flow times and minimum current flow times and minim</td> <td>AC-4 cycle operation</td> <td></td> <td></td> <td></td>	out periods       Ms       500         out periods       Ms       500         out periods       Ms       500         out periods       Ms       In AC-4 cycle operation, going below the minimum current flow time can cause overheating of the load (motor).         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum cur-out periods.         chnical data       State and minimum current flow times and minimum curent flow times and minimum current flow times and minim	AC-4 cycle operation			
Note         ms         In AC-4 cycle operation, going below the minimum current flow time can overheating of the load (motor). For all combinations with an SWD activation, you need not adhere to the current flow times and minimum cut-out periods.           Additional technical data         FXE motor-protective circuit-breaker, see motor-protecive circuit-breaker, see motor-protecive circuit-breaker, see moto	Image: series of the cold state and 1.0 x Ug       Image: series of the cold	Minimum current flow times		ms	700 (Class 10) 900 (Class 15)
Additional technical data         Additional technical data         Motor protective circuit breaker PKZM0, PKE       PKE motor-protective circuit-breaker, see motor-protective circuit-breaker, see motor-protective circuit-breaker, see contactor product group         DLM contactors       Image: See Contactor product group         Current heat loss at le to AC-3/400 V       Image: See Contactor product group         Current heat loss at le to AC-3/400 V       Image: See Contactor product group         Dual-voltage coil 50 Hz       Sea Image: See Contactor product group         Switching capacity       Image: See Contactor product group         Maximum motor rating       Image: See Contactor product group         Three-phase       Image: See Contactor product group         200 V       Image: See Contactor productor group <td< td=""><td>hnical data       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.         hnical data         cricuit breaker PKZMO, PKE         circuit breaker PKZMO, PKE         pss         at loss at l<sub>e</sub> to AC-3/400 V         nption of the coil in a cold state and 1.0 x U<sub>S</sub>         ge coil 50 Hz         Sealing       W         1.1</td><td>Minimum cut-out periods</td><td></td><td>ms</td><td>500</td></td<>	hnical data       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.         hnical data         cricuit breaker PKZMO, PKE         circuit breaker PKZMO, PKE         pss         at loss at l <sub>e</sub> to AC-3/400 V         nption of the coil in a cold state and 1.0 x U <sub>S</sub> ge coil 50 Hz         Sealing       W         1.1	Minimum cut-out periods		ms	500
Motor protective circuit breaker PKZM0, PKE       See	circuit breaker PKZM0, PKE A Sealing	Note		ms	overheating of the load (motor). For all combinations with an SWD activation, you need not adhere to the minimum
Image: Properties of the second s	group DILM contactors, see contactor product group       oss       at loss at l <sub>e</sub> to AC-3/400 V       ge coil 50 Hz       Sealing     Value       Sealing     Value	Additional technical data			
Current heat lossImage: Current heat loss at le to AC-3/400 VImage: Current heat loss at le to AC-3/400 VImage: Current heat loss at le to AC-3/400 VPower consumption of the coil in a cold state and 1.0 x UgVImage: Current heat loss at le to AC-3/400 VDual-voltage coil 50 HzSealingVImage: Current heat loss at le to AC-3/400 VBual-voltage coil 50 HzSealingVImage: Current heat loss at le to AC-3/400 VRating data for approved typesVImage: Current heat loss at le to AC-3/400 VImage: Current heat loss at le to AC-3/400 VSwitching capacityImage: Current heat loss at le to AC-3/400 VImage: Current heat loss at le to AC-3/400 VImage: Current heat loss at le to AC-3/400 VMaximum motor ratingImage: Current heat loss at le to AC-3/400 VImage: C	at loss at l <sub>e</sub> to AC-3/400 V M M I.5 15 M M M M M M M M M M M M M M M M M M	Motor protective circuit breaker PKZM0, PKE			group
Current heat loss at l <sub>e</sub> to AC-3/400 V     W     15       Power consumption of the coil in a cold state and 1.0 x Ug     M     10       Dual-voltage coil 50 Hz     Sealing     W     21       Rating data for approved types     V     10       Switching capacity     M     M     10       Maximum motor rating     M     M     10       Three-phase     M     M     10       200 V     200 V     M     M       230 V     M     M     M       230 V     M     M     M       460 V     HP     2     M	at loss at l <sub>e</sub> to AC-3/400 V M M I.5 15 M M M M M M M M M M M M M M M M M M	DILM contactors			
Power consumption of the coil in a cold state and 1.0 x U <sub>S</sub> Sealing         W         2.1           Dual-voltage coil 50 Hz         Sealing         W         2.1           Rating data for approved types         Image: Cold State and 1.0 x U <sub>S</sub> Image: Cold State and 1.0 x U <sub>S</sub> Switching capacity         Sealing         W         2.1           Maximum motor rating         Image: Cold State and 1.0 x U <sub>S</sub> Image: Cold State and 1.0 x U <sub>S</sub> Three-phase         Image: Cold State and 1.0 x U <sub>S</sub> Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub> 200 V         200 V         Image: Cold State and 1.0 x U <sub>S</sub>	nption of the coil in a cold state and 1.0 x U <sub>S</sub> ge coil 50 Hz Sealing W 2.1	Current heat loss			
Dual-voltage coil 50 Hz     Sealing     W       Rating data for approved types       Switching capacity       Maximum motor rating       Three-phase       200 V	ge coil 50 Hz Sealing W 2.1	Current heat loss at I $_{\rm e}$ to AC-3/400 V		W	1.5
Rating data for approved types         Switching capacity       Image: Colspan="2">Image: Colspan="2" Image: Colspan="2" Imag		Power consumption of the coil in a cold state and 1.0 x $\mathrm{U}_{S}$			
Rating data for approved types         Switching capacity       Image: Colspan="2">Image: Colspan="2" Image: Colspan="2" Imag		Dual-voltage coil 50 Hz	Sealing	W	2.1
Switching capacity     Image: Switching capacity       Maximum motor rating     Image: Switching capacity       Three-phase     Image: Switching capacity       200 V     Image	, abbiotog (hoo				
Three-phase         HP         0.75           200 V 208 V         HP         0.75           230 V 240 V         HP         0.75           460 V         HP         2					
200 V     HP     0.75       200 V     HP     0.75       200 V     HP     0.75       460 V     HP     2	or rating	Maximum motor rating			
208 V     HP       230 V     HP       240 V     HP       460 V     HP	se	Three-phase			
240 V 460 V HP 2	HP 0.75			HP	0.75
	HP 0.75			HP	0.75
	HP 2	460 V 480 V		HP	2

Pilot Duty		
AC operated		A600
DC operated		P300
General Use		
AC	V	600
AC	А	15
DC	V	250
DC	А	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	A	4
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0.5
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	1.5
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	2.1
Heat dissipation capacity	P <sub>diss</sub>	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]) Kind of motor starter Direct starter

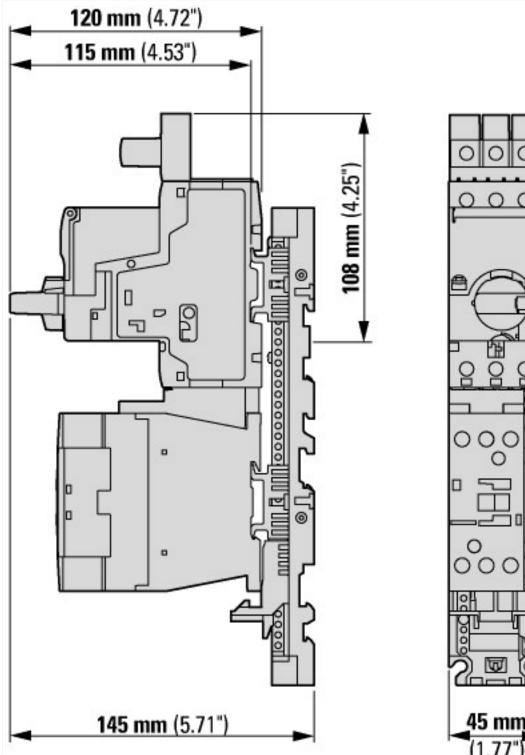
With short-circuit release	

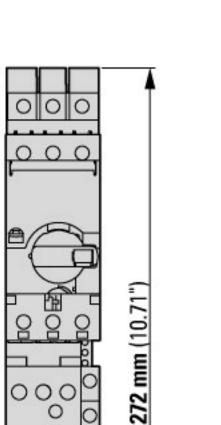
Yes

Rated control supply voltage Us at AC 50HZ	V	110 - 110
Rated control supply voltage Us at AC 60HZ	V	120 - 120
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	kW	0.75
Rated operation power at AC-3, 400 V	kW	7.5
Rated power, 460 V, 60 Hz, 3-phase	kW	1.47
Rated power, 575 V, 60 Hz, 3-phase	kW	0
Rated operation current le	А	12
Rated operation current at AC-3, 400 V	А	4
Overload release current setting	А	1 - 4
Rated conditional short-circuit current, type 1, 480 Y/277 V	А	0
Rated conditional short-circuit current, type 1, 600 Y/347 V	А	0
Rated conditional short-circuit current, type 2, 230 V	А	0
Rated conditional short-circuit current, type 2, 400 V	А	0
Number of auxiliary contacts as normally open contact		1
Number of auxiliary contacts as normally closed contact		0
Ambient temperature, upper operating limit	°C	60
Temperature compensated overload protection		Yes
Release class		Adjustable
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
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 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	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**





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