DATASHEET - EMS2-D0-Z-9-230VAC



DOL starter, 230 V AC, 1,5 - 6,5 (AC-53a), 9 (AC-51) A, Screw terminals

Powering Business Worldwide

Part no. EMS2-D0-Z-9-230VAC Catalog No. 197170 Alternate Catalog EMS2-D0-Z-9-230VAC

Delivery program

Basic function Description Description	Electronic motor starter
Description DO	
	OOL starters (complete devices)
	OOL starting Motor protection Circuit design: safety output stage with bypass, three-phase disconnect.
Motor ratings	
Max. rating for three-phase motors, 50 - 60 Hz	
AC-53a	
380 V 400 V 415 V P kW 0.5	D.55 - 3
	,5 - 6,5 (AC-53a) ,5 - 9 (AC-51)
Actuating voltage 23	230 V AC
Connection technique So	Screw terminals
Connection to SmartWire-DT	10

Technical data

Operating voltage range min.

General			
Standards			IEC/EN 60947-4-2 UL508
Ambient temperature			
Storage		°C	
Min. ambient temperature, storage		°C	- 40
Ambient temperature, storage max.		°C	+ 80
Open		°C	
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	+ 70
Weight		kg	0.22
Mounting			Top-hat rail IEC/EN 60715, 35 mm
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Mounting position			Vertical Motor feeder at bottom
Terminal capacity			
Screw terminals			
Terminal capacity main cable			
		mm^2	0.2 - 2.5
		AWG	24 - 14
Terminal capacity control circuit cables			
		mm ²	0.14 - 2.5
		AWG	26 - 14
tightening torque		N/m	0.5 - 0.6
Main conducting paths			
Rated operational voltage	U _e	V AC	500
Operational voltage range		V	

Operating voltage range max.		V	550
Rated operational current			
AC-51	I _e	Α	9
AC-53a	I _e	Α	6.5
			AC-53a: Please note possible derating.
Setting range of overload releases	I _r	A_x	1,5 - 6,5 (AC-53a) 1,5 - 9 (AC-51)
Release class		CLASS	10A
Heat dissipation	P_{V}	W	2.6 - 16.1
Control section			
Rated control voltage	U_{s}	V AC	230
Control voltage range		V	85 - 253 V AC
Rated control current	Is	mA	4
Actuating circuit (ON, L, R)			
Rated actuation voltage	U _c	V	230
Switching level "Low"		V	0 - 48 V AC
Switching level "confirm Off"		V	< 5 V DC
Switching level "High"		V	85 - 253 V AC
Rated actuating current	Ic	mA	7
Relay outputs			
Contacts			
CO = changeover			1 CO
Rated operational current			
AC-15			
230 V	I _e	Α	3
DC-13			
24 V	I _e	Α	2
Electromagnetic compatibility (EMC)			
Radio interference suppression			FN 55011

Hadio interrerence suppression	EN 61000-6-3, Class A (emitted interference, radiated)	
Technical safety parameters:		

Notes	motor protection

Design verification as per IEC/EN 61439

200.g.: 1010ao.: 40 por 120, 211 01 100			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	9
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	16.1
Static heat dissipation, non-current-dependent	P _{vs}	W	1
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
			If necessary, Allow for derating
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 (II) 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])

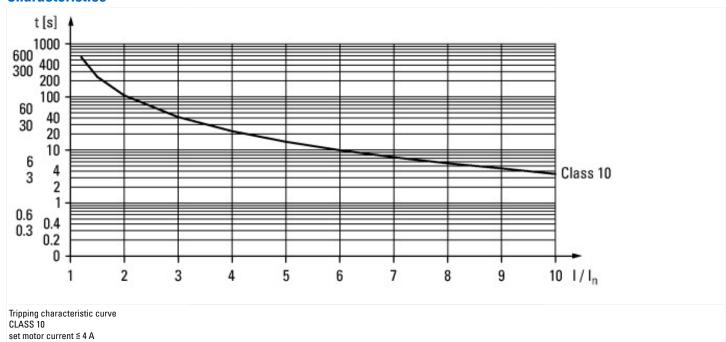
Kind of mitor starter Control Control With short-circuit release 4 8 32-280 20-280 <th>[AJZ718013])</th> <th></th> <th></th>	[AJZ718013])		
Rated control supply voltage Us an AC 68HZ V 20-20 Rated control supply voltage Us an CA 68HZ V 0 Nated control supply voltage Us an CA 68HZ V 0 Nated control supply voltage Us an CA 68HZ V 0 Nated operation power at AC-2, 200 V.3-phase W 15 Rated operation power at AC-3, 400 V W 0 Rated operation Querent AC 9, 400 H.3-phase W 0 Rated operation current at ACS, 400 V A 0 Rated operation current at ACS, 400 V A 0 Noviced rolesse current at ACS, 400 V A 0 Noviced rolesse current at ACS, 400 V A 0 Rated conditional short-circuit current, ype 1,480 Y277 V A 0 Rated conditional short-circuit current, ype 2,400 Y,347 V A 0 Rated conditional short-circuit current, ype 2,400 Y A 0 Number of auxiliary contacts as normally closed centact Y 0 Ambient presenture, upper operating limit C 0 Release class Y Y Release class <	Kind of motor starter		Direct starter
Rated control supply voltage Us at AC 60HZ V 0 0 Rated control supply voltage Us at DC V 0 0 Voltage type for actuating Dower at AC-3, 200 V, 3-phase KW 15 Rated operation power at AC-3, 200 V, 3-phase KW 0 Rated operation current Is AC-3, 400 V KW 0 Rated operation current at AC-3, 400 V A 5 Rated operation current at AC-3, 400 V A 6 Rated conditional short-circuit current, type 1, 480 Y277 V A 6 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 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 Rated conditional short-circuit current, type 2, 400 V A 0 Rated conditional short-circuit current, type 2, 400 V C 0	With short-circuit release		No
Rated control supply voltage Use at DC V 0	Rated control supply voltage Us at AC 50HZ	V	230 - 230
Voltage type for acuating AC Rated operation power at AC-3,230 V.3-phase W 1.5 Rated power at AC-3,400 V W 3 Rated power at AC-3,400 V W 0 Rated power, 55 V, 60 Hz.3-phase W 0 Rated operation current te A 4 Rated operation current at AC-3,400 V A 5 Overload release current setting A 1.5 Rated conditional short-circuit current, type 1,480 V;27 V A 0 Rated conditional short-circuit current, type 1,500 V;34 V A 0 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 Y 0 Number of auxiliary contacts as normally open contact Y 0 Release class C 0 Release class C 0 Release class C 0 Release class C 0 Reliance tripe of electrical connection of main circuit	Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated operation power at AC-3, 230 V.3-phase W 15 Rated operation power at AC-3, 400 V W 3 Rated operation power at AC-3, 400 V W 0 Rated operation current le A W Rated operation current le A 9 Rated operation current at AC-3, 400 V A 5 Overload release current setting A 15 - 9 Rated conditional short-circuit current, type 1, 480 Y/37 V A 0 Rated conditional short-circuit current, type 1, 480 Y/37 V A 0 Rated conditional short-circuit current, type 1, 480 Y/37 V A 0 Rated conditional short-circuit current, type 1, 480 Y/37 V A 0 Rated conditional short-circuit current, type 1, 480 Y/37 V A 0 Rated conditional short-circuit current, type 1, 480 Y/37 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally open contact **C 0 Release class **C 0 0 Release class **C 0 0	Rated control supply voltage Us at DC	V	0 - 0
Rated operation power at AC-3, 400 V KW 3 Rated power, 750 V, 60 Hz, 3-phase KW 0 Rated operation current le AC-3, 400 V A 9 Overdoaf release current at AC-3, 400 V A 5 Overdoaf release current setting A 15 - 9 Rated conditional short-circuit current, type 1, 480 Y/277 V A 0 Rated conditional short-circuit current, type 2, 180 V/374 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 A 1 Number of auxiliary contacts as normally closed contact Y 0 Ambient temperature, upper operating limit C 0 Temperature compensated overload protection Y 0 Type of electrical connection of main circuit Y 0 Release alsas Y 0 0 With transformer Y 0 0 </td <td>Voltage type for actuating</td> <td></td> <td>AC</td>	Voltage type for actuating		AC
Rated power, 460 V, 60 Hz, 3-phase KW 0 Rated power, 575 V, 60 Hz, 3-phase WW 0 Rated oparation current a Ed. AW 9 Rated oparation current a AC3, 400 V AW 5.9 Overload release current setting AW 0 Rated conditional short-circuit current, type 1, 480 V/277 V AW 0 Rated conditional short-circuit current, type 2, 230 V AW 0 Rated conditional short-circuit current, type 2, 400 V AW 0 Number of auxiliary contacts as normally open contact AW 0 Number of auxiliary contacts as normally closed cotate C 4 Release class C 4 4 Release class C 4 5 Type of electrical connection of main circuit C 6 2 6 Vibrit transformer B E 6 2 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Rated operation power at AC-3, 230 V, 3-phase	kW	1.5
Rated power, 575 V, 60 Hz, 3-phase kW 0 Rated operation current 1e A 9 Rated operation current at ACS, 400 V A 5.5 Overload release current setting A 15.9 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 Number of auxiliary contacts as normally open centact A 1 Number of auxiliary contacts as normally open centact B 4 0 Number of auxiliary contacts as normally open centact B 6 4 0 Number of auxiliary contacts as normally open centact C 4 0 <td< td=""><td>Rated operation power at AC-3, 400 V</td><td>kW</td><td>3</td></td<>	Rated operation power at AC-3, 400 V	kW	3
Rated operation current te A 9 Rated operation current at AG-3,400 V A 5.5 Overload release current setting A 1.5 - 9 Rated conditional short-circuit current, type 1,480 Y/277 V A 0 Rated conditional short-circuit current, type 1,480 Y/277 V A 0 Rated conditional short-circuit current, type 2,400 V A 0 Number of auxiliary contacts as normally open contact B 1 Number of auxiliary contacts as normally closed contact B 1 Ambient temperature compensated overload protection B 1 Release class CLASS 10 CLASS 10 Type of electrical connection for auxiliary- and control current circuit B Yes Rail mounting possible Yes Screw connection With transformer Yes No Number of command positions Yes No Suitable for emergency stop Yes No Coordination class according to IEC 60947-43 Yes Yes Number of indicator lights Yes Yes Degree of protecti	Rated power, 460 V, 60 Hz, 3-phase	kW	0
Rated operation current at AC-3, 400 V A 5.5 - 9 Overload release current setting A 1.5 - 9 Rated conditional short-circuit current, type 1, 480 Y/277 V A 0 Rated conditional short-circuit current, type 1, 500 Y/347 V A 0 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 open contact Yes 4 Number of auxiliary contacts as normally closed contact Yes 4 Ambient temperature, upper operating limit Yes Yes Temperature compensated overload protection Yes Carew connection Release class Yes Screw connection Type of electrical connection for auxiliary- and control current circuit Yes Screw connection Yes of electrical connection for auxiliary- and control current circuit Yes No Number of command positions Yes No Suitable for emergency stop Yes Yes	Rated power, 575 V, 60 Hz, 3-phase	kW	0
Overload release current setting A 15 - 9 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 closed contact B 1 Number of auxiliary contacts as normally closed contact B 1 Ambient temperature, upper operating limit B 4 Temperature compensated overload protection Yes Yes Release class CLASS 10 CLASS 10 Type of electrical connection for auxiliary- and control current circuit Yes Yes With transformer Yes No Number of command positions Yes No Suitable for emergency stop Yes Yes Coordination class according to IEC 69947-4-3 Yes Yes Number of indicator lights Yes Yes External reset possible Yes Yes <td< td=""><td>Rated operation current le</td><td>Α</td><td>9</td></td<>	Rated operation current le	Α	9
Rated conditional short-circuit current, type 1, 480 Y/277 V	Rated operation current at AC-3, 400 V	Α	6.5
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 Number of auxiliary contacts as normally open contact 1 1 Number of auxiliary contacts as normally closed contact 1 1 Ambient temperature, upper operating limit 2 Yes Release class 7 Yes Release class 7 Yes Release class 8 CLASS 10 Type of electrical connection of main circuit 1 Yes of electrical connection of main circuit 2 Yes Rail mounting possible 7 Yes With transformer 1 Command positions 8 Yes Suitable for emergency stop 8 Yes Coordination class a ccording to IEC 60947-4-3 Number of indicator lights 8 External reset possible 9 Yes With fuse 9 No Degree of protection (IP) 1 Yes Other Supporting protocol (or TCP/IP) 1 Yes Other Supporting protocol (or TCP/IP) 1 Yes Other 1 Yes Other 1 Yes Other Other 1 Yes Other Other 1 Yes Other Other 2 Yes Other	Overload release current setting	А	1.5 - 9
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 closed contact 1 Ambient temperature, upper operating limit °C 40 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 Yes Screw connection Rail mounting possible Yes Yes With transformer No No Number of command positions Yes No Suitable for emergency stop No No Coordination class according to IEC 60947-4-3 Yes Screw connection Number of indicator lights 3 Yes External reset possible Yes No With fuse No Pega Conditional Conditiona	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 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 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	Rated conditional short-circuit current, type 1, 600 Y/347 V	Α	0
Number of auxiliary contacts as normally open contact 1 Number of auxiliary contacts as normally closed contact 1 Ambient temperature, upper operating limit °C 40 Temperature compensated overload protection Yes Release class CLASS 10 Type of electrical connection of main circuit Screw connection Type of electrical connection for auxiliary- and control current circuit Yes With transformer No Number of command positions Yes Suitable for emergency stop No Coordination class according to IEC 60947-4-3 3 Number of indicator lights 3 External reset possible Yes With fuse No Obegree of protection (IP) No Degree of protection (IP) IP20 Degree of protection (NEMA) Other Supporting protocol for TCP/IP No	Rated conditional short-circuit current, type 2, 230 V	Α	0
Number of auxiliary contacts as normally closed contact Ambient temperature, upper operating limit Preparature 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) Supporting protocol for TCP/IP Ves Vide Vide Vide Vide Vide Vide Vide Vide	Rated conditional short-circuit current, type 2, 400 V	Α	0
Ambient temperature, upper operating limit 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 With fuse With fuse Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP	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 With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP Ne CLASS 10 CLAS 10 CLASS 10 CLAS	Number of auxiliary contacts as normally closed contact		1
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 No Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP CLASS 10 Screw connection Screw conne	Ambient temperature, upper operating limit	°C	40
Type of electrical connection of main 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) Supporting protocol for TCP/IP 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) Supporting protocol for TCP/IP Serew connection Yes No Vo Pos Other No Other No	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 With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP No Yes Ves No Other	Type of electrical connection of main circuit		Screw connection
With transformer Number of command positions Suitable for emergency stop No Coordination class according to IEC 60947-4-3 Number of indicator lights Sternal reset possible With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP No	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 Suternal reset possible With fuse With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP No No No No Other No No Other	Rail mounting possible		Yes
Suitable for emergency stop Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP No No No No No No No No No N	With transformer		No
Coordination class according to IEC 60947-4-3 Number of indicator lights External reset possible With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP No	Number of command positions		
Number of indicator lights 3 External reset possible Yes With fuse No Degree of protection (IP) IP20 Degree of protection (NEMA) Other Supporting protocol for TCP/IP No	Suitable for emergency stop		No
External reset possible With fuse No Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP Yes No No Other	Coordination class according to IEC 60947-4-3		
With fuse No Degree of protection (IP) IP20 Degree of protection (NEMA) Other Supporting protocol for TCP/IP No	Number of indicator lights		3
Degree of protection (IP) Degree of protection (NEMA) Supporting protocol for TCP/IP IP20 Other No	External reset possible		Yes
Degree of protection (NEMA) Supporting protocol for TCP/IP No	With fuse		No
Supporting protocol for TCP/IP No	Degree of protection (IP)		IP20
	Degree of protection (NEMA)		Other
Supporting protocol for PROFIBUS No	Supporting protocol for TCP/IP		No
	Supporting protocol for PROFIBUS		No

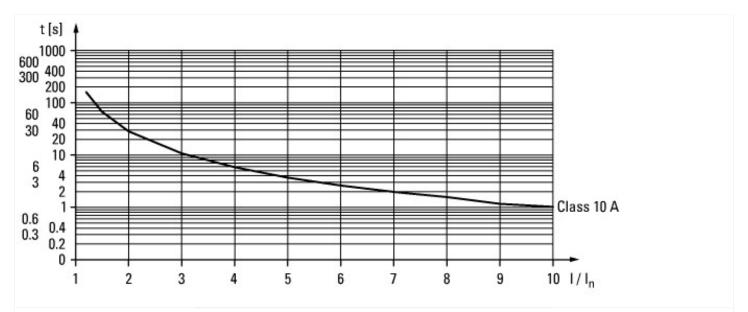
Supporting protocol for CAN		No
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for MODBUS		No
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		No
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol 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	22.5
Height	mm	106.8
Depth	mm	113.6

Approvals

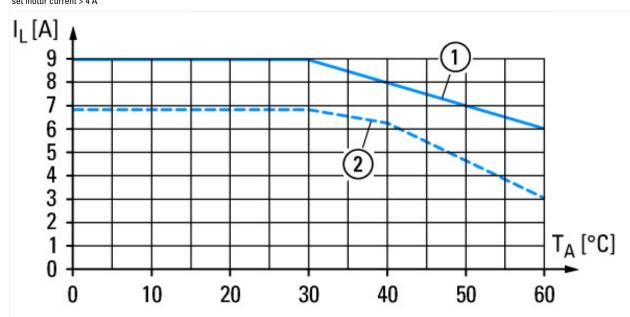
Product Standards	UL 60947-4-1; CSA C22.2 No. 60947-4-1-14; CE marking
UL File No.	E29096
UL Category Control No.	NLDX, NLDX7
CSA File No.	UL report applies to both US and Canada
North America Certification	UL listed, certified by UL for use in Canada
Specially designed for North America	No

Characteristics





Tripping characteristic curve CLASS 10A set motor current > 4 A



Electricity derating devices with $I_e = 9 \text{ A}$

- ① For devices installed with a minimum clearance of 20 mm ② For devices in direct sequence

Dimensions

