DATASHEET - XNE-8D0-24VDC-0.5A-P



Digital output module XI/ON ECO, 24 V DC, 8DO

Part no. XNE-8DO-24VDC-0.5A-P Catalog No. 140036

EL-Nummer (Norway) 0004520691



Delivery program

Function	XI/ON I/O modules
Function	XNE Slice module
Short Description	8 Digital output, 24 V DC/0.5 A Positive switching

Technical data

Rated data

T ecnnical data General			
Standards			EN 61000-6-2 EN 61000-6-4 EN 61131-2
Potential isolation			Yes, through optocoupler
Ambient temperature			
Ambient temperature, operation		°C	0 - +55
Storage, transport	8	°C	-25 - +85
Relative humidity			
Relative humidity			5 - 95 % (indoor), Level RH-2, no condensation (for storage at 45°C)
Ambient conditions, mechanical			
Degree of Protection			IP20
Harmful gases		ppm	SO ₂ : 10 (rel. humidity < 75%, no condensation) H ₂ S: 1.0 (rel. humidity < 75 %,no condensation)
Vibration resistance, operating conditions			according to IEC/EN 60068-2-6
Mechanical shock resistance		g	according to IEC 60068-2-27
Continuous shock resistance (IEC/EN 60068-2-29)			According to IEC 60068-2-29
Drop and topple			According to IEC 60068-2-31, free fall according to IEC 60068-2-32
Electromagnetic compatibility (EMC)			
ESD	Air/contact discharge	kV	EN 61000-4-2
Electromagnetic fields	(0.081) / (1,42) / (2 2,7) GHz	V/m	EN 61100-4-2
Burst			EN 61100-4-4
Surge			EN 61100-4-5
Radiated RFI		V	EN 61100-4-6
Emitted interference (radiated, high frequency)	(30230 MHz) / (2301000 MHz)	dB	EN 55016-2-3
Voltage fluctuations/voltage dips			EN 61131-2
Type test			to EN 61131-2
Approvals			CE, cULus EAC
Other technical data (sheet catalogue)			Technical Data
Terminations			

according to VDE 0611 Part 1/8.92 /

1/6

			IEC/EN 60947-7-1
Connection design in TOP direction			Push-In spring-cage terminals
Stripping length		mm	8
Clamping range			max. 0.14 - 1.5 mm ²
Connectable conductors			
Outputs to EN 61131-2		mm ²	0.25 - 1.5
Reset after short-circuit rectified		mm ²	0.25 - 1.5
Vibration resistance, operating conditions			
		mm ²	0.25 - 1.5
"f" with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)		mm ²	0.25 - 0.75
Connectable conductors		2	005 45
"e" solid H07V-U		mm ²	0.25 - 1.5
"f" flexible H 07V-K		mm ²	0.25 - 1.5
"f" with ferrules without plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)		mm ²	0.25 - 1.5
"f" with ferrules with plastic collar according to DIN 46228-1 (ferrules crimped gas-tight)		mm ²	0.25 - 0.75
Gauge pin IEC/EN 60947-1			A1
Analog input modules Channels		Number	0
Rated voltage through supply terminal	11.	Number	24 V DC
	UL	A	
Rated current consumption from supply terminal	I լ	mA	3
Rated current consumption from module bus	I _{MB}	mA	≦ 15
Connectable sensors			Resistive loads Inductive loads Lamp loads
Analog output modules			
Channels		Number	8
Rated voltage through supply terminal	U_L		24 V DC
Rated current consumption from supply terminal	IL	mA	3
Rated current consumption from module bus	I _{MB}	mA	≦ 15
Load resistance			
Resistive load		Ω	≧ 48
Inductive load		h	As per DC13 to IEC 60947-5-1
Digital outputs Channels		Number	0
Rated voltage through supply terminal	UL	Number	24 V DC
Rated current consumption from the supply terminal (at load current = 0 mA)		mA	3
Rated current consumption from module bus	lL		≦ 15
Power loss	I _{MB}	mA	
Output voltage	r	W	Normally 1.5
High level	$U_{H'}U_A$		> U _L - 1 V DC
Output current		Α	
High level (rated value)	I _H		0.5 A
High level (permissible range)	I _H	Α	< 1.0
Delay on signal change and resistive load			
from Low to High level		μs	300
From High to Low signal		μs	300
Utilization factor	%	g	100
Can be connected			Resistive loads Inductive loads Lamp loads
Resistive load		Ω	≧ 48
Inductive load		h	As per DC13 to IEC 60947-5-1
Lamp load	R _{LL}	W	≦ 6
Switching frequency			
ownering requestoy			

	with inductive load			As per DC13 to IEC 60947-5-1
	Switching frequency with lamp load	f	Hz	10
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	he supply terminal (U_L) provides power for the module electronics	s and for the consumers at t	he outputs. Th	he total current required for each module consists of the sum of all partial

To increase the maximum output current to up to 1 A, two outputs can be connected in parallel.

Note for table header

The rated current from supply terminal data apply at zero load current.

Applies for resistive load: RLO < $1k\Omega$

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0

provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility.	Static heat dissipation, non-current-dependent	P_{vs}	W	1.5
Operating ambient temperature max. Degree of Protection 10.2 Strength of materials and parts 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects 10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9 The panel builder's responsibility. 10.9 Insulation properties 10.9 The panel builder's responsibility. 10.9 Insulation properties 10.9 The panel builder's responsibility. 10.9 Insulation properties 10.1 The panel builder's responsibility. 10.3 The panel builder's responsibility. 10.4 The panel builder's responsibility. 10.5 The panel builder's responsibility. 10.6 The panel builder's responsibility. 10.7 Interparature rise 10.8 The panel builder's responsibility. 10.9 Insulation properties 10.9 The panel builder's responsibility. 10.9 Insulation properties 10.9 The panel builder's responsibility. 10.9 The panel builder's responsibility	Heat dissipation capacity	P _{diss}	W	0
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10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility.	10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
Meets the product standard's requirements. 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility.	10.2.7 Inscriptions			Meets the product standard's requirements.
10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility.	10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility.	10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder is responsibility.	10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder's responsibility.	10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Is the panel builder's responsibility. The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices. Is the panel builder's responsibility.	10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility.	10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Is the panel builder's responsibility. Is the panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices. Is the panel builder's responsibility.	10.9 Insulation properties			
10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder is responsibility. The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility.	10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility.	10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
provide heat dissipation data for the devices. 10.11 Short-circuit rating 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.
10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is 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

PLC's (EG000024) / Fieldbus, decentr. periphery - digital I/O module (EC001599)

Electric engineering, automation, process control engineering / Control / Field bus, decentralized peripheral / Field bus, decentralized peripheral - digital I/O module (ecl@ss10.0.1-27-24-26-04 [BAA055014])

[BAA055014])		
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	18 - 30
Voltage type of supply voltage		DC
Number of digital inputs		0
Number of digital outputs		8
Digital inputs configurable		No
Digital outputs configurable		No
Input current at signal 1	mA	0
Permitted voltage at input	V	0 - 0
Type of voltage (input voltage)		DC
Type of digital output		Other
Output current	Α	0.5
Permitted voltage at output	V	0 - 29
Type of output voltage		DC
Short-circuit protection, outputs available		Yes
Number of HW-interfaces industrial Ethernet		0
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		0
Number of HW-interfaces RS-422		0

Number of HW-interfaces RS-485		0
Number of HW-interfaces serial TTY		0
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces USB		0
Number of HW-interfaces other		1
With optical interface		No
		No
Supporting protocol for TCP/IP		
Supporting protocol for PROFIBUS		Yes
Supporting protocol for CAN		Yes
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		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		Yes
Supporting protocol for other bus systems Radio standard Bluetooth		Yes No
The second secon		
Radio standard Bluetooth		No
Radio standard Bluetooth Radio standard WLAN 802.11		No No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS		No No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM		No No No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS		No No No No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master		No No No No No No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory		No No No No Vo Yes
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP)	ms	No No No No No Yes IP20
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection	ms	No No No No No Yes IP20 Screw-/spring clamp connection
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange	ms	No No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible	ms	No No No No No Ves IP20 Screw-/spring clamp connection 0 - 0.3 Yes
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible	ms	No No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS IO link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting	ms	No No No No No No Ves IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible	ms	No No No No No No Ves IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible	ms	No No No No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No No No
Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS IO link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions	ms	No No No No No No No Ves IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No No No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1	ms	No No No No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No No No No No
Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS IO link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508	ms	No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No No No No No No None None
Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS IO link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1	ms	No No No No No No No Ves IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS IO link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia)	ms	No No No No No No No Ves IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes Yes No
Radio standard WLAN 802.11 Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib)	ms	No No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No No No No None None No No No No No No No No
Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas	ms	No No No No No No No Ves IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No
Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS 10 link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for dust		No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No No No No None None No No No None No No No No No No None None
Radio standard Bluetooth Radio standard WLAN 802.11 Radio standard GPRS Radio standard GSM Radio standard UMTS IO link master System accessory Degree of protection (IP) Type of electric connection Time delay at signal exchange Fieldbus connection over separate bus coupler possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for dust Width	mm	No No No No Yes IP20 Screw-/spring clamp connection 0 - 0.3 Yes Yes No No No None None No No None None

Approvals	
Product Standards	UL 508; CSA-C22.2 No. 142; IEC/EN 6113-2; CE marking
UL File No.	E205091
UL Category Control No.	NRAQ, NRAQ7
CSA File No.	UL report applies to both US and Canada
CSA Class No.	2252-01, 2252-81
North America Certification	UL recognized, certified by UL for use in Canada
Specially designed for North America	No
Current Limiting Circuit-Breaker	No

IEC: IP20, UL/CSA Type: -

Dimensions

Degree of Protection

