### **DATASHEET - NZM-XSWD-704**



### Connection, SmartWire-DT, for NZM

NZM-XSWD-704 Part no. Catalog No. 135530





### **Delivery program**

Product range	SmartWire-DT slave
Subrange	SmartWire-DT module NZM circuit-breakers
Product range	Accessories
Standard/Approval	IEC
Construction size	NZM2/3/4
Accessories	Accessories, diagnostics & communication
Function	The module implements the data connection between the NZM2/3/4 with electronic release and SmartWire-DT.
Description	A switch with a remote operator can also be remotely operated with the module. Two digital inputs for the switch status 2 transistor outputs for remote switching Retentive memory for energy data (kWh) Energy data is transmitted through digital input (S0) from an external energy measuring module NZNXMC-S0.
Messages	Status data NZM: ON/OFF/TRIPPED Load warnings Reason for last trip Actual current value in A Switch type Actual settings of the rotary coding switches
Information about equipment supplied	A connection cable (1.90 m) for the circuit-breaker and two NZM auxiliary contacts (1 x NO, 1 x NC) are included as standard.
For use with	SmartWire-DT interface for NZM circuit-breakers
Connection to SmartWire-DT	yes

### Technical data

Vibrations (IEC/EN 61131-2:2008) Constant amplitude 3,5 mm

lechnical data		
General		
Standards		IEC/EN 61131-2 EN 50178
Approvals		
shipping classification		BV LRS
		BUREAU VERITAS  TYPE APPROVED
Dimensions (W x H x D)	mm	35 x 90 x 101
Weight	kg	0.1
Mounting		Top-hat rail IEC/EN 60715, 35 mm
Mounting position		Vertical
Climatic environmental conditions		
Relative humidity		
Condensation		Take appropriate measures to prevent condensation
Relative humidity, non-condensing (IEC/EN 60068-2-30)	%	5 - 95
Ambient conditions, mechanical		
Protection type (IEC/EN 60529, EN50178, VBG 4)		IP20

5 - 8.4

Constant acceleration 1 g		Hz	8.4 - 150			
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	9			
Drop to IEC/EN 60068-2-31	Drop height	mm	50			
Free fall, packaged (IEC/EN 60068-2-32)		m	0.3			
Electromagnetic compatibility (EMC)						
Overvoltage category			II			
Pollution degree			2			
Electrostatic discharge (IEC/EN 61131-2:2008)						
Air discharge (Level 3)		kV	8			
Contact discharge (Level 2)		kV	4			
Electromagnetic fields (IEC/EN 61131-2:2008)						
80 - 1000 MHz		V/m	10			
1.4 - 2 GHz		V/m	3			
2 - 2.7 GHz		V/m	1			
Radio interference suppression (SmartWire-DT)			EN 55011 Class A			
Burst (IEC/EN 61131-2:2008, Level 3)						
Supply cable		kV	2			
Signal lines		kV	1			
SmartWire-DT cables		kV	1			
Radiated RFI (IEC/EN 61131-2:2008, Level 3)		V	10			
SmartWire-DT network						
Station type			SmartWire-DT sla	ave		
Setting the baud rate			automatic			
Status SmartWire-DT		LED	Green			
Connection			Plug, 8-pole			
			Connection plug:	External device plu	g SWD4-8SF2-5	
Current consumption (15 V SWD supply)			Electricity	Bus	AUX 24 V	AUX 24 V
			consumption		With	with
					active	remote
					remote operator	operator inactive
				mA	m <b>A</b>	mA
			NZM-	35	300	100
0			XSWD-704			
Connection supply and I/O Terminal for I/O sensor						
Connection type			Push in terminals			
		2				
Solid		mm <sup>2</sup>	0.2 - 1.5 (AWG 24	- 10)		
Flexible with ferrule		mm <sup>2</sup>	0.25 - 1.5			
Digital inputs						
Quantity			8			
Input current		mA	Normally 4 at 24 V			
Limit value type 1			Low < 5V DC;High			
Input delay			High->Low < 0.2 m Low -> High typ. <			
Status display inputs		LED	yellow			
Digital semi-conductor outputs						
Quantity			4			
Output current		Α	Normally 0.5 at 24	V DC		
Short-circuit tripping current		Α	max. 1.2 over 3 ms	S		
Lamp load	R <sub>LL</sub>	W	≦ ≤ 3			
Overload proof			yes, with diagnos	tics		
Switching capacity			EN 60947-5-1 utilia	zation category DC	-13	
Potential isolation						
Inputs for SmartWire-DT			Yes			

### **Design verification as per IEC/EN 61439**

°C	-25
°C	55
	Meets the product standard's requirements.
	Does not apply, since the entire switchgear needs to be evaluated.
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	Is the panel builder's responsibility.
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	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Technical data ETIM 7.0

DI OL (E0000001) (E: 111		
PLC's (EG000024) / Fieldbus	, decentr. periphe	ery - communication module (EC001604)

Electric engineering, automation, process control engineering / Control / Field bus, decentralized peripheral / Field bus, decentralized peripheral - communications module (ecl@ss10.0.1-27-24-26-08 [BAA073013])			
Supply voltage AC 50 Hz	V	0 - 0	
Supply voltage AC 60 Hz	V	0 - 0	
Supply voltage DC	V	24 - 24	
Voltage type of supply voltage		DC	
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 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 SERCOS		No	
Supporting protocol for PROFINET IO		No	
Supporting protocol for PROFINET CBA		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
Radio standard Bluetooth		No
Radio standard WLAN 802.11		No
Radio standard GPRS		No
Radio standard GSM		No
Radio standard UMTS		No
IO link master		No
System accessory		Yes
Degree of protection (IP)		IP20
With potential separation		Yes
Fieldbus connection over separate bus coupler possible		Yes
Rail mounting possible		Yes
Wall mounting/direct mounting		Yes
Front build in possible		No
Rack-assembly possible		No
Suitable for safety functions		No
Category according to EN 954-1		В
SIL according to IEC 61508		None
Performance level acc. EN ISO 13849-1		None
Appendant operation agent (Ex ia)		No
Appendant operation agent (Ex ib)		No
Explosion safety category for gas		None
Explosion safety category for dust		None
Width	mm	35
Height	mm	102
Depth	mm	90

# Approvals

North America Certification	Request filed for UL and CSA
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## Dimensions



