



Interface, data Management, for NZM2/3/4

Part no. **NZM-XDMI612**
Catalog No. **260217**

EL-Nummer **0004359054**
(Norway)

Delivery program

Product range		Accessories
Accessories		Diagnostics, communication
Description		Inclusive NZM-XDMI-CAB connection cable between NZM and DMI (length: 2 m) <ul style="list-style-type: none"> • Access to diagnostics and operational data • Recording of current values, motor starter function, set parameters • Control of the circuit-breakers with electronic trip block • Comprehensive remote diagnostic options and remote access via field bus in combination with a field bus connection NZM-XDMI-DPV1 • Remote parameter definition
Standard/Approval		IEC
Construction size		NZM2/3/4
Notes		
Only in combination with circuit-breakers with electronic trip blocks.		

Technical data

General

Dimensions (W x H x D)	mm	107.5 x 90 x 53
Modular spacing (space units)		6 space units wide
Weight	kg	0.3
Mounting		Top-hat rail IEC/EN 60715, 35 mm

Climatic environmental conditions

Operating ambient temperature	°C	0 to +55
Mounting position		Vertical or horizontal
Condensation		Take appropriate measures to prevent condensation
LCD display (clearly legible)	°C	
LCD		0 to +55
Storage/Transport	°C	
Storage	g	°C -40 - +70
Relative humidity, non-condensing (IEC/EN 60068-2-30)	%	5 - 95
Air pressure (operation)	hPa	795 - 1080
Corrosion resistance	cm ³ /m ³	
IEC/EN 60068-2-42	4 days SO ₂	cm ³ /m ³ 10
IEC/EN 60068-2-43	4 days H ₂ S	cm ³ /m ³ 1

Ambient conditions, mechanical

Pollution degree		2
Protection type (IEC/EN 60529, EN50178, VBG 4)		IP20
Vibrations (IEC/EN 60068-2-6)	Hz	
Constant amplitude 0.15 mm	Hz	10 - 57
Constant acceleration 2 g	Hz	57 - 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms	Impacts	18
Drop to IEC/EN 60068-2-31	Drop height	mm 50
Free fall, packaged (IEC/EN 60068-2-32)	m	1

Power supply

Admissible range	V DC	20.4 - 28.8
Residual ripple	%	≤ 5
Input current at 24 V DC		
at 24 V DC	mA	210
Voltage dips	ms	≤ 10
Heat dissipation at 24 V DC	W	5

Design verification as per IEC/EN 61439

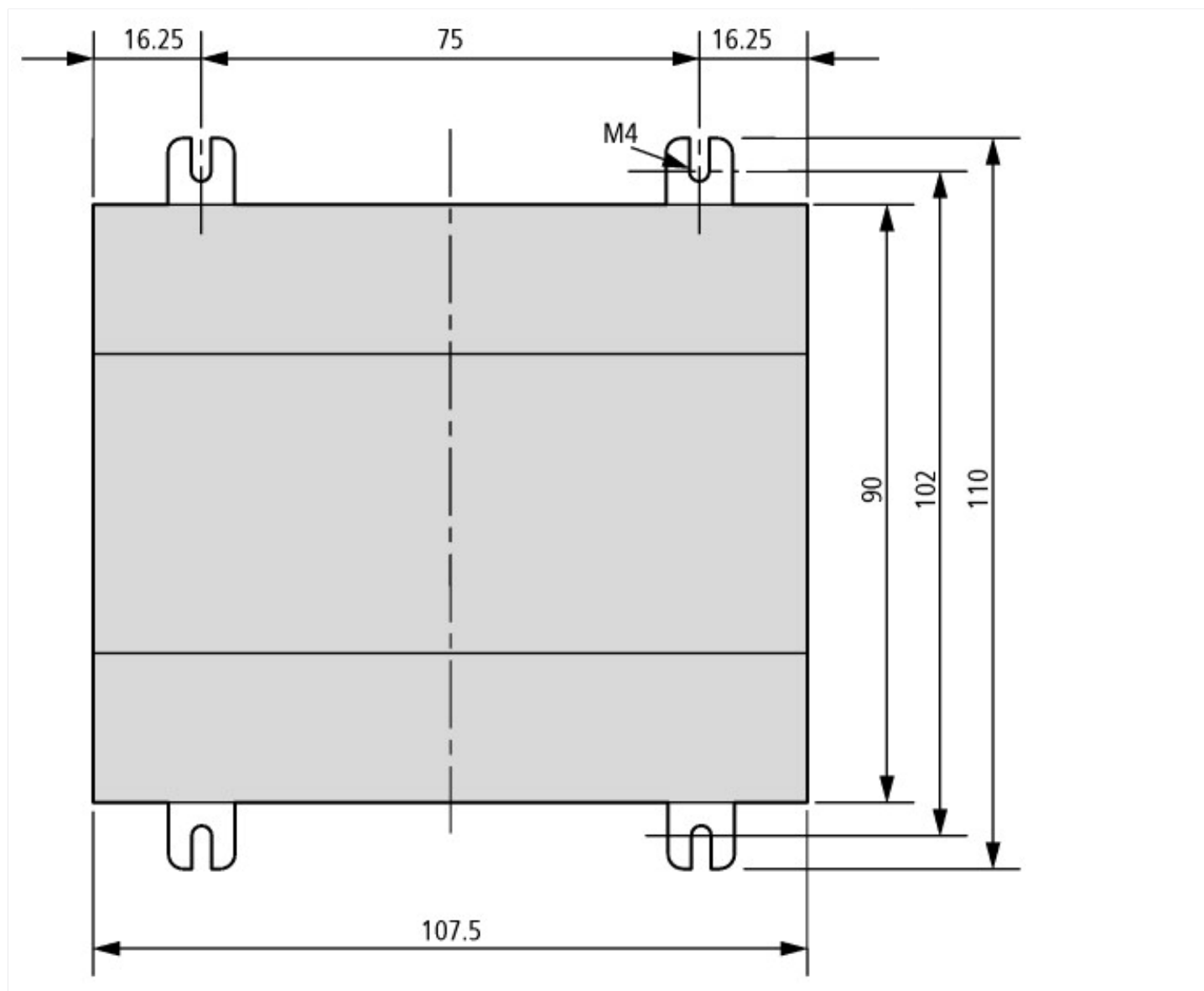
IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials 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

PLC's (EG000024) / Fieldbus, decentr. periphery - 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		No
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		No
Fieldbus connection over separate bus coupler possible		No
Rail mounting possible		Yes
Wall mounting/direct mounting		No
Front build in possible		Yes
Rack-assembly possible		No
Suitable for safety functions		No
Category according to EN 954-1		
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		Other
Width	mm	107.5
Height	mm	90
Depth	mm	53

Dimensions



Additional product information (links)

IL01219009Z (AWA1230-2001) Data Management Interface

IL01219009Z (AWA1230-2001) Data Management Interface https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219009Z2010_10.pdf

MN01219002Z (AWB1230-1441) Communications system circuit-breakers

MN01219002Z (AWB1230-1441) Kommunikationssystem-Leistungsschalter - Deutsch https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN01219002Z_DE.pdf

MN01219002Z (AWB1230-1441) Communications system circuit-breakers - English https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN01219002Z_EN.pdf

MN01219003Z (AWB1230-1459) NZM diagnostic and DMI-configuration

MN01219003Z (AWB1230-1459) NZM-Diagnose und DMI-Konfiguration - Deutsch https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN01219003Z_DE.pdf

MN01219003Z (AWB1230-1459) NZM diagnostic and DMI-configuration - English https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN01219003Z_EN.pdf

MN05013007Z (AWB2528-1427) DeviceNet slave connection

MN05013007Z (AWB2528-1427) Slave-Anschluss DeviceNet - Deutsch https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013007Z_DE.pdf

MN05013007Z (AWB2528-1427) DeviceNet slave connection - English https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013007Z_EN.pdf