DATASHEET - NZM-XDMI612

Interface, data Management, for NZM2/3/4

Part no.	**NZM-XDMI612**
Catalog No.	**260217**
EL-Nummer (Norway)	**0004359054**

Powering Business Worldwide™

Delivery program

Product range			Accessories
Accessories			Diagnostics, communication
Description			Inclusive NZM-XDMI-CAB connection cable between NZM and DMI (length: 2 m) • 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	ϑ	°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_2S	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

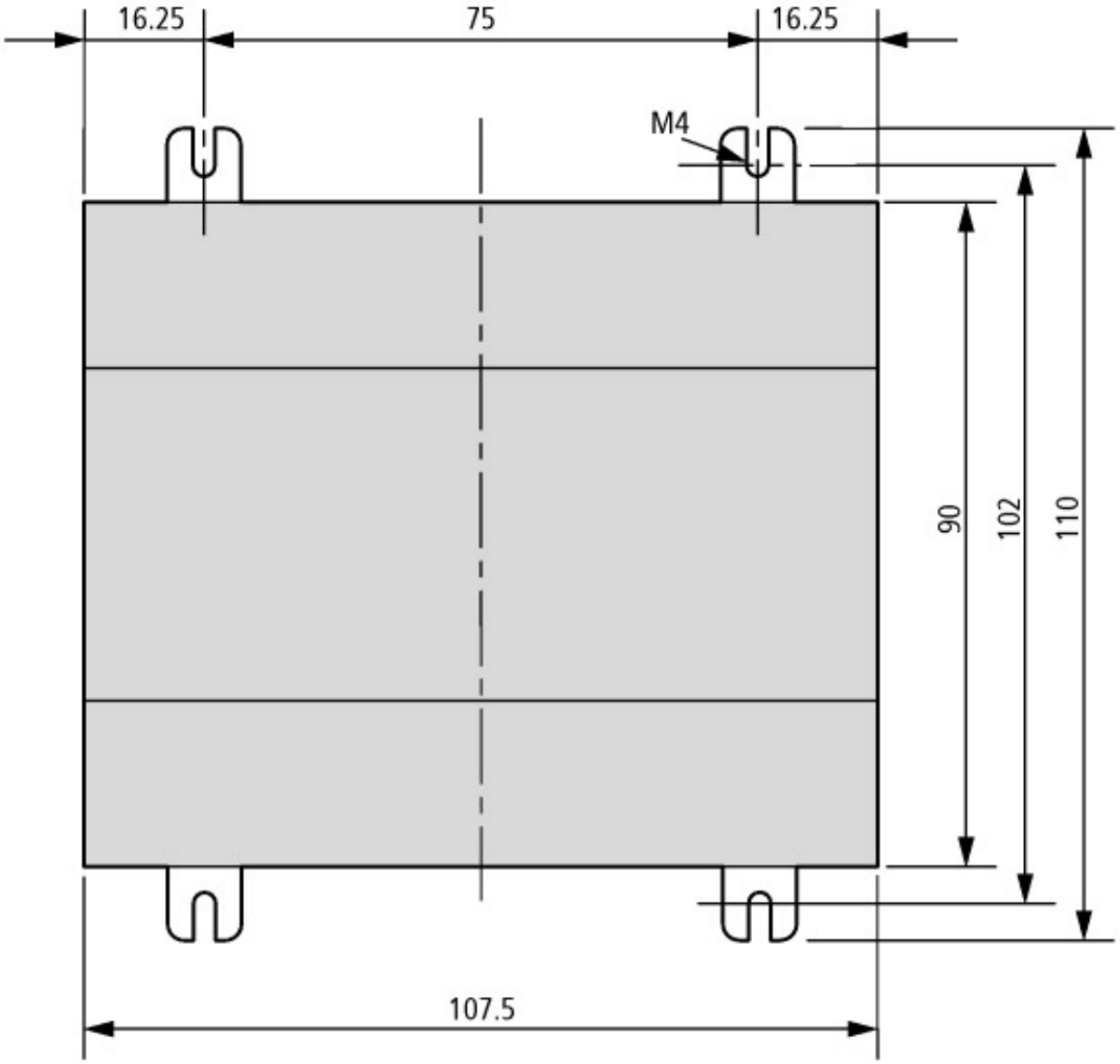
PLC's (EG000024) / Fieldbus, decentr. periphery - communication module (EC001604)

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	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219009Z2010_10.pdf
MN01219002Z (AWB1230-1441) Communications system circuit-breakers	
MN01219002Z (AWB1230-1441) Kommunikationssystem-Leistungsschalter - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN01219002Z_DE.pdf
MN01219002Z (AWB1230-1441) Communications system circuit-breakers - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN01219002Z_EN.pdf
MN01219003Z (AWB1230-1459) NZM diagnostic and DMI-configuration	
MN01219003Z (AWB1230-1459) NZM-Diagnose und DMI-Konfiguration - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN01219003Z_DE.pdf
MN01219003Z (AWB1230-1459) NZM diagnostic and DMI-configuration - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN01219003Z_EN.pdf
MN05013007Z (AWB2528-1427) DeviceNet slave connection	
MN05013007Z (AWB2528-1427) Slave-Anschluss DeviceNet - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013007Z_DE.pdf
MN05013007Z (AWB2528-1427) DeviceNet slave connection - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013007Z_EN.pdf