



**260217**  
**NZM-XDMI612**

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## DELIVERY PROGRAM

Product range  
Accessories

Accessories  
Diagnostics, communication

Description  
Inclusive NZM-XDMI-CAB connection cable between NZM and DM (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

### Notes

Only in combination with circuit-breakers with **electronic** trip blocks.

## TECHNICAL DATA

### General

Dimensions (W x H x D)  
107.5 x 90 x 53 mm

Modular spacing (space units)  
6 space units wide

Weight  
0.3 kg

Mounting  
Top-hat rail IEC/EN 60715, 35 mm

### Climatic environmental conditions

Operating ambient temperature  
0 to +55 °C

Mounting position  
Vertical or horizontal

Condensation  
Take appropriate measures to prevent condensation

LCD display (clearly legible)  
LCD  
0 to +55

Storage/Transport  
Storage [9]  
-40 - +70 °C

Relative humidity, non-condensing (IEC/EN 60068-2-30)  
5 - 95 %

Air pressure (operation)  
795 - 1080 hPa

Corrosion resistance  
IEC/EN 60068-2-42 [4 days SO<sub>2</sub>]  
10 cm<sup>2</sup>/m<sup>3</sup>

Corrosion resistance  
IEC/EN 60068-2-43 [4 days H<sub>2</sub>S]  
1 cm<sup>2</sup>/m<sup>3</sup>

### Ambient conditions, mechanical

Pollution degree  
2

Protection type (IEC/EN 60529, EN50178, VBG 4)  
IP20

Vibrations (IEC/EN 60068-2-6)  
Constant amplitude 0.15 mm  
10 - 57 Hz

Vibrations (IEC/EN 60068-2-6)  
Constant acceleration 2 g  
57 - 150 Hz

Mechanical shock resistance (IEC/EN 60068-2-27)  
semi-sinusoidal 15 g/11 ms  
18 Impacts

Drop to IEC/EN 60068-2-31 [Drop height]  
50 mm

Free fall, packaged (IEC/EN 60068-2-32)  
1 m

### Power supply

Admissible range  
20.4 - 28.8 V DC

Residual ripple

□ 5 %

Input current at 24 V DC

at 24 V DC

210 mA

Voltage dips

≤ 10 ms

Heat dissipation at 24 V DC

5 W

## 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 Strength of materials and parts

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts

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 Strength of materials and parts

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.2 Strength of materials and parts

##### 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.2 Strength of materials and parts

##### 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 Insulation properties

##### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

#### 10.9 Insulation properties

##### 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

PLCs (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  
0 - 0 V

Supply voltage AC 60 Hz  
0 - 0 V

Supply voltage DC  
24 - 24 V

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 PROFI-safe  
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  
107.5 mm

Height  
90 mm

Depth  
53 mm

## DIMENSIONS



