



Mounting kit, measuring module, XMC for 630A+GW

Part no. **NZM-XMC-KIT-TCP-630**
Article no. **153140**
Catalog No. **NZM-XMC-KIT-TCP-630**

Delivery program

Product range			Accessories
Accessories			Measuring modules
Accessories			Accessories, diagnostics & communication
Description			<p>For applications with currents of up to 630 A</p> <p>Included as standard:</p> <ul style="list-style-type: none"> Measuring module NZM3-XMC-MB 3 pole terminal block 3 cable lugs Three stripped insulated 300 mm² conductors 1 cover NZM3-XKSA MODBUS to Ethernet/TCP gateway
Number of poles			3 pole
For use with			NZM...3-AE(F)250...630(-NA), NZM...3-VE(F)250...630(-NA)
Rated operating frequency			AC 50/60 Hz
Standard/Approval			IEC
Construction size			NZM3
Notes			
Circuit-breakers not included as standard.			
The module can be set up using the Eaton Configurator (www.eaton.eu).			

Technical data

Power supply module

Supply voltage	U _s		24 V DC
Max. supply current		mA	200
Type of conductor			Phoenix Contact GMVSTBR 2.5-2-ST-7.62

Power supply

Rated operational voltage	U _e	V AC	72 - 600
Surge voltage		kV	8
Max. voltage		V AC	600
Impedance	R	kΩ	1
Frequency		Hz	45 - 65
Accuracy			0.95 % measurement + 0.05 % FS
Overvoltage category			Category IV - 600 V

Max. current

Rated operational current	I _e	A AC	1 - 630
Max. current	I _{max}	A	30
Frequency			45 - 200

Power monitoring PM

Accuracy			0.95 % measurement + 0.05 % FS
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Output type			NPN-isolated transistor
Transistor voltage			80 / 0.4
Transistor current			50 / 10
Potential isolation			3
Switching Frequency		Hz	4
Pulse duration		ms	500 / 20
Power pulse rate		Pulse/ kWh	1

Digital outputs

Rated voltage	U _e	V	350
at state "I"	I _e	A	120

SBI interface RS485

Potential isolation			3
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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.

Additional product information (links)

12/13 IL01219006Z (replaces AWA1230-2617)	
12/13 IL01219006Z (replaces AWA1230-2617)	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219006Z2013_12.pdf
05/13 MN01219001Z (replaces AWB1230-1630en)	
05/13 MN01219001Z (ersetzt AWB1230-1630de) - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN01219001Z_DE.pdf
05/13 MN01219001Z (replaces AWB1230-1630en) - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN01219001Z_EN.pdf