NZM1-XSTS - Control circuit terminal, screw connection

260150
NZM1-XSTS

Overview
Specifications
Resources

DELIVERY PROGRAM

Accessories
Control circuit terminal

For use with
NZM1(-4), PN1(-4), N(S)1(-4)

Terminal capacities

Type of conductor
Cu/Al cable
Screw connection

Terminal capacities
flexible
1 x 0.75 - 2.5
2 x 0.75 - 1.5 mm²

AWG/kcmil
1 x 18 - 14
2 x 18 - 16 mm²

Notes
Part contains parts for two terminal locations
located at top or bottom for 3 or 4 pole circuit-

breakers.

Included as standard with tunnel terminal

Degree of protection IP1X

NZM-XSTK cannot be combined with NZM2(1)-XIPK IP4X protection against contact with a finger.

Height and thickness of control terminals:

NZM-XSTK = 2 mm

NZM-XSTS = 2 mm

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

Low-voltage industrial components (EG000017) / Distribution terminal block (EC000276)

Electric engineering, automation, process control engineering / Electrical installation, device / Terminal (not overhead line) / Control line board (ecl@ss10.0.1-27-14-11-47 [BAA026013])

Core cross section
2.5 mm²

Number of poles
1

With seal head
No

APPROVALS

Product Standards
UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking

UL File No.
E140305

UL Category Control No.
DIHS

CSA File No.
022086

CSA Class No.
1437-01

North America Certification
UL listed, CSA certified

Suitable for
Refer to main component information

DIMENSIONS

☐ 3 pole
☐ 4 pole