281583
NZM3-XMV

Overview | Specifications | Resources

Delivery program
Design verification as per IEC/EN 61439
Technical data ETIM 7.0
Approvals
Dimensions

DELIVERY PROGRAM

Description
Allows interlocking of 2, 3 or 4 switches, including different construction sized switches, with NZM-XBZ... Bowden cables.

For use with
NZM3(-4)
PN3(-4), N(S)3(-4)

Notes
Cannot be combined with NZM..-XTV...-NA door coupling rotary handles.

At least 2 interlock modules are required in order to assemble a mechanical interlock.

Possible combinations and interlock versions
☐ Engineering

Order Bowden cable separately.

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) / Mechanic interlock for switch (EC001044)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Mechanic interlock for switch (ecl@ss10.0.1-27-37-13-03 [AKN341013])

Auxiliary contacts, extendable
No

Number of contacts as normally closed contact
0

Number of contacts as normally open contact
0

APPROVALS

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

UL File No.
E140305

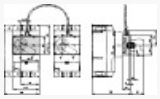
UL Category Control No.
DIHS

CSA File No.
022086

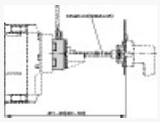
CSA Class No.
1437-01

North America Certification
UL listed, CSA certified

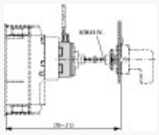
DIMENSIONS



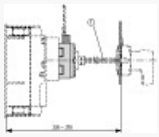
NZM3-XMV + NZM3-XDV(R)



NZM3-XMV + NZM3-XTVD(V)(R)



NZM3-XMV + NZM3-XTVD(V)(R)-60



NZM3-XMV + NZM3-XTVD(V)(R)0
□ Special tip