266632
NZM1-XHBR

DELIVERY PROGRAM

Delivery program

Design verification as per IEC/EN 61439

Technical data ETIM 7.0

Approvals

Dimensions

Equipment supplied
Door coupling rotary handle with rotary drive
NZM..-XV4 extension shaft
External warning plate/marking plate in German/English
Black and yellow lightning symbol

Product range
Accessories

Accessories
Main switch assembly kit

Standard/Approval
UL/CSA, IEC

Construction size
NZM1

Description
Kit for use as a main switch

Function
With red door coupling rotary handle for use of switch as emergency switching off device to IEC/EN 60204-1, VDE 0113 part 1

Protection class
IP66
UL/CSA Type 4X, Type 12

Locking facility
lockable on the 0 position on the handle using up to 3 padlocks
With door interlock
lockable on the switch in the 0 position

Door interlock
Door interlock on OFF with max. 3 padlocks
After the door interlock is activated, must not be opened while on ON or TRIP. Must only be opened on OFF
Can be modified such that it can be defeated from the outside using a screwdriver
Not defeated in the locked OFF position.
Can only be switched ON when the door is closed

Project planning information
External warning plate/designation label can be clipped on.
For enhanced busbar tag shroud on the incomer side, please order IP2X protection against contact with a finger.

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

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) / Handle for power circuit breaker (EC000229)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Handle for switch devices (ecl@ss10.0.1-27-37-04-14 [AKF012014])

Lockable
Yes

Colour
Red

Suitable for emergency stop
Yes

With extension shaft
Yes

Suitable for power circuit breaker
Yes

Suitable for switch disconnector
Yes

APPROVALS

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

UL File No.
E140305

UL Category Control No.
DIHS

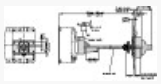
CSA File No.
022086

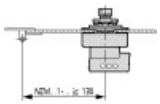
CSA Class No.
1437-01

North America Certification
UL listed, CSA certified

Degree of Protection
IEC: IP66, UL/CSA Type 4X, 12

DIMENSIONS





Minimum door coupling rotary handle clearance
from door pivot point