



Powering Business Worldwide



271451

NZM3-XTVDVR-NA

[Overview](#)[Specifications](#)[Resources](#)[Delivery program](#)[Design verification as
per IEC/EN 61439](#)[Technical data ETIM 7.0](#)[Approvals](#)[Dimensions](#)

DELIVERY PROGRAM

Product range
Accessories

Accessories
Door coupling rotary handle

Standard/Approval
UL/CSA, IEC

Construction size
NZMB

Description
Door coupling rotary handle for operating the
switch through a closed control panel door

Function
Red-yellow for emergency switching off

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

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

Door interlock
Not defeated in the locked OFF position.
Door opens only with active rotation beyond the 0
position

Project planning information
Complete including rotary drive and coupling parts
Extension shaft additionally required.
Cannot be combined with mechanical interlock
External warning plate/designation label can be
clipped on.

For use with
NZMB, N(S)3

lockable
double

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 (ec1@ss10.0.1-27-37-04-14 [AKF012014])

Lockable
Yes

Colour
Red

Suitable for emergency stop
Yes

With extension shaft

No

Suitable for power circuit breaker

Yes

Suitable for switch disconnecter

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

Specially designed for North America

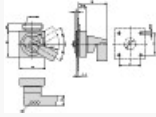
Rotary handle with additional 4th position, beyond

OFF, to release door interlock.

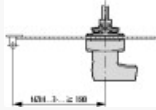
Degree of Protection

IEC: IP66, UL/CSA Type 4X, 12

DIMENSIONS



$$\begin{aligned} d &= 1/2 = 4 - 8 \\ d &= 3/4 = 6 - 8 \\ b &\geq 34 \end{aligned}$$



Minimum door coupling rotary handle clearance
from door pivot point



