PN1-XPA - Paralleling mechanism

283471 PN1-XPA

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Paralleling mechanism

EL-Nummer (Norway) 4359008

Optional accessories for the circuit-breaker series NZM offers a comprehensive portfolio of application options for use world wide. The mounting is always flexible and easy thanks to the modular function groups. Notes: simultaneous actuation of 2 PN switch-disconnectors of the same type mounted side-by-side. Not UL/CSA approved. 1 × rotary handle on switch (-XD) included as standard. 1x door coupling rotary handle (-XTVD) included as standard. can be used for: PN1(-4) + PN1(-4)

Delivery program

Description
Simultaneous actuation of 2 PN switch-disconnectors of the same type mounted side-by-side
not UL/CSA approved
For use with
PN1(-4) + PN1(-4)

Notes
PN1, PN2

- 1 x rotary handle on switch (-XD) supplied.
- 1 x door coupling rotary handle (-XTVD) supplied.

Notes
Extension shaft (-XV4(6)) additionally required for the door coupling rotary handle.

Cannot be combined with mechanical interlock, insulating surrounds, side wall operators or remote operators

For use as Emergency-Stop device

For this the door coupling rotary handle requires an exchange thumb-grip in red/yellow according to the following order nos.

- for PN1 and PN2: NZM2-XDGVR □ 100747
- for PN3: NZM3-XDGVR □ 100764; **Note:** The locking function of these thumb-grips must not be used.

Design verification as per IEC/EN 61439

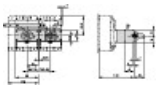
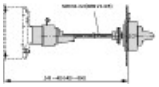
IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.

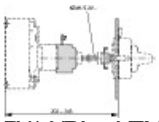
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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

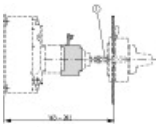
Low-voltage industrial components (EG000017) / Handle for power circuit breaker (EC000229)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Handle for switch devices (ecl@ss10.0.1-27-37-04-14 [AKF012014])
Lockable
Yes
Colour
Black
Suitable for emergency stop
No
With extension shaft
No
Suitable for power circuit breaker
Yes
Suitable for switch disconnector
Yes

Dimensions


PN1-XPA

PN1-XPA



PN1-XPA + NZM1-XTD-60



PN1-XPA + NZM1-XTD-0

☐ Special tip

CAD data

- Product-specific CAD data
  (Web)
- 3D Preview
  (Web)

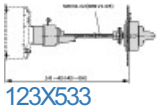
DWG files

- DA-CD-pn1_xpa
  File
  (Web)

Step files

- DA-CS-pn1_xpa
  File
  (Web)

Dimensions single product

- 
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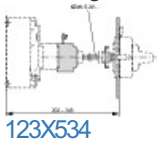
  Paralleling mechanism
- 
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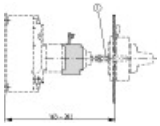
- 
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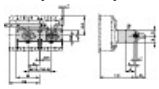
  ☐ Special tip
- 
  123X542
  Line drawing
  Paralleling mechanism

Product photo

- 
  1230PIC-749
  Photo

3D drawing

- 1230DRW-419
  Line drawing
  Paralleling mechanism

Instruction Leaflet

- IL01219019Z
  Asset
  (PDF, Language independent)

Download-Center

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