



**Paralleling mechanism**

**Part no.** PN1-XPA  
**Catalog No.** 283471

**EL-Nummer (Norway)** 0004359008

**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)
<b>Notes</b>		
<b>PN1, PN2</b>		<ul style="list-style-type: none"> <li>1 x rotary handle on switch (-XD) supplied.</li> <li>1 x door coupling rotary handle (-XTVD) supplied.</li> </ul>
<b>Notes</b>		<p>Extension shaft (-XV4(6)) additionally required for the door coupling rotary handle.</p> <p>Cannot be combined with mechanical interlock, insulating surrounds, side wall operators or remote operators</p> <p><b>For use as Emergency-Stop device</b></p> <p>For this the door coupling rotary handle requires an exchange thumb-grip in red/yellow according to the following order nos.</p> <ul style="list-style-type: none"> <li>for PN1 and PN2: NZM2-XDGVR → 100747</li> <li>for PN3: NZM3-XDGVR → 100764; <b>Note:</b> The locking function of these thumb-grips must not be used.</li> </ul>

**Design verification as per IEC/EN 61439**

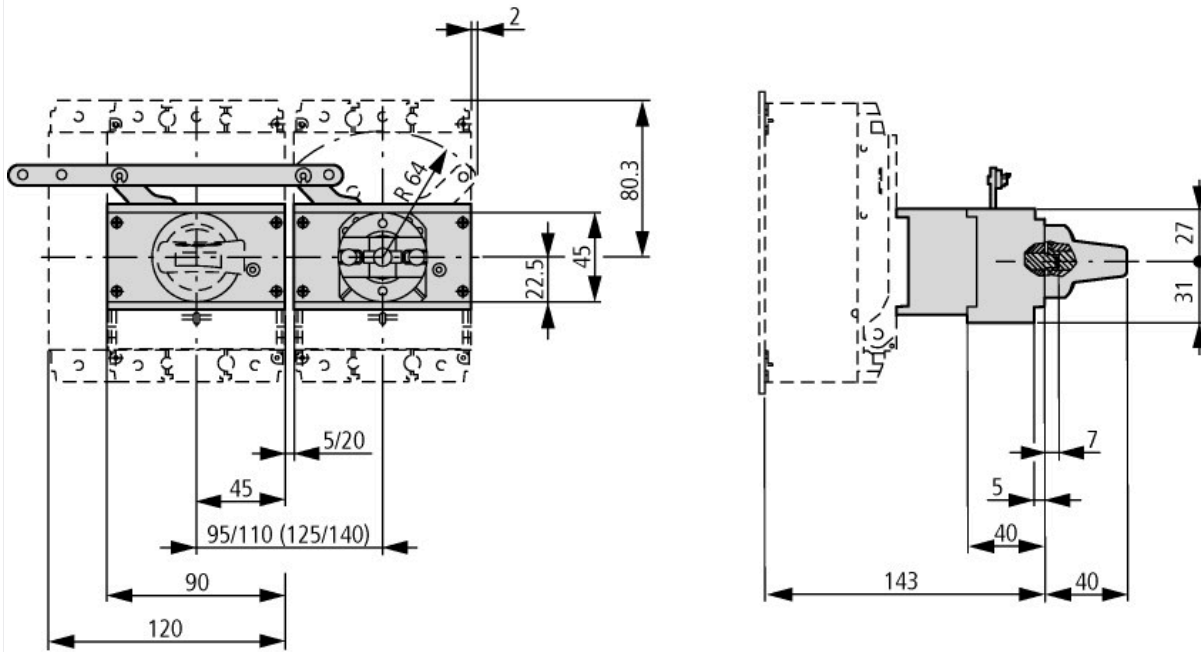
IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
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.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
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.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
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**

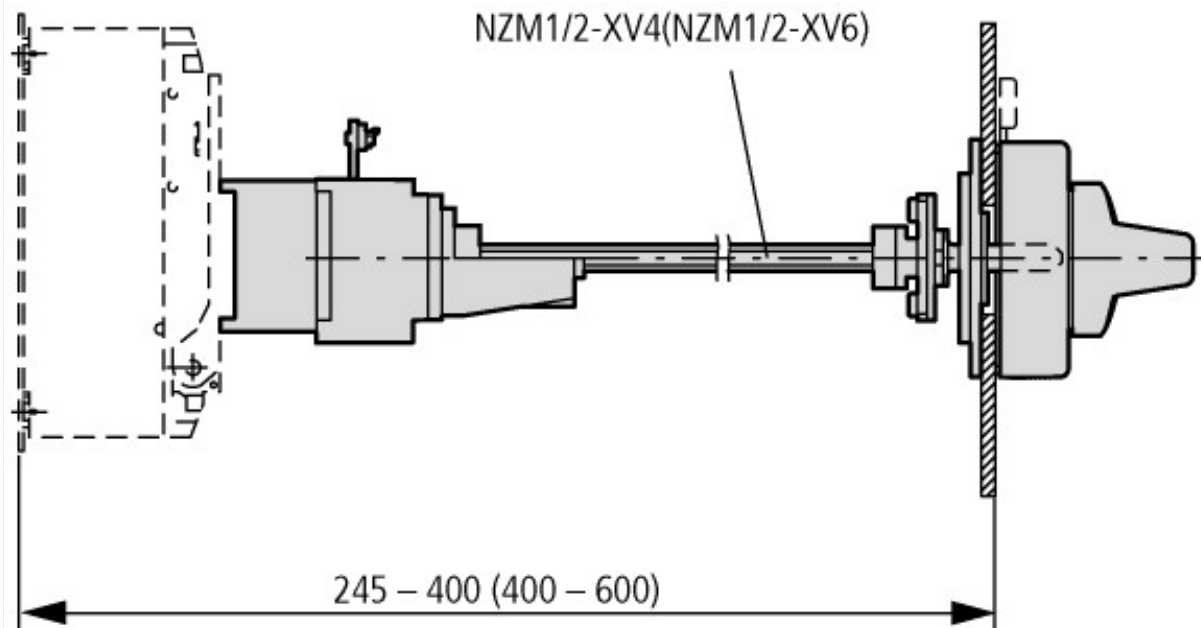
Low-voltage industrial components (EG000017) / Handle for power circuit breaker (EC000229)

Lockable		Yes
Colour		Black
Suitable for emergency stop		No
With extension shaft		No
Suitable for power circuit breaker		Yes
Suitable for switch disconnecter		Yes

## Dimensions

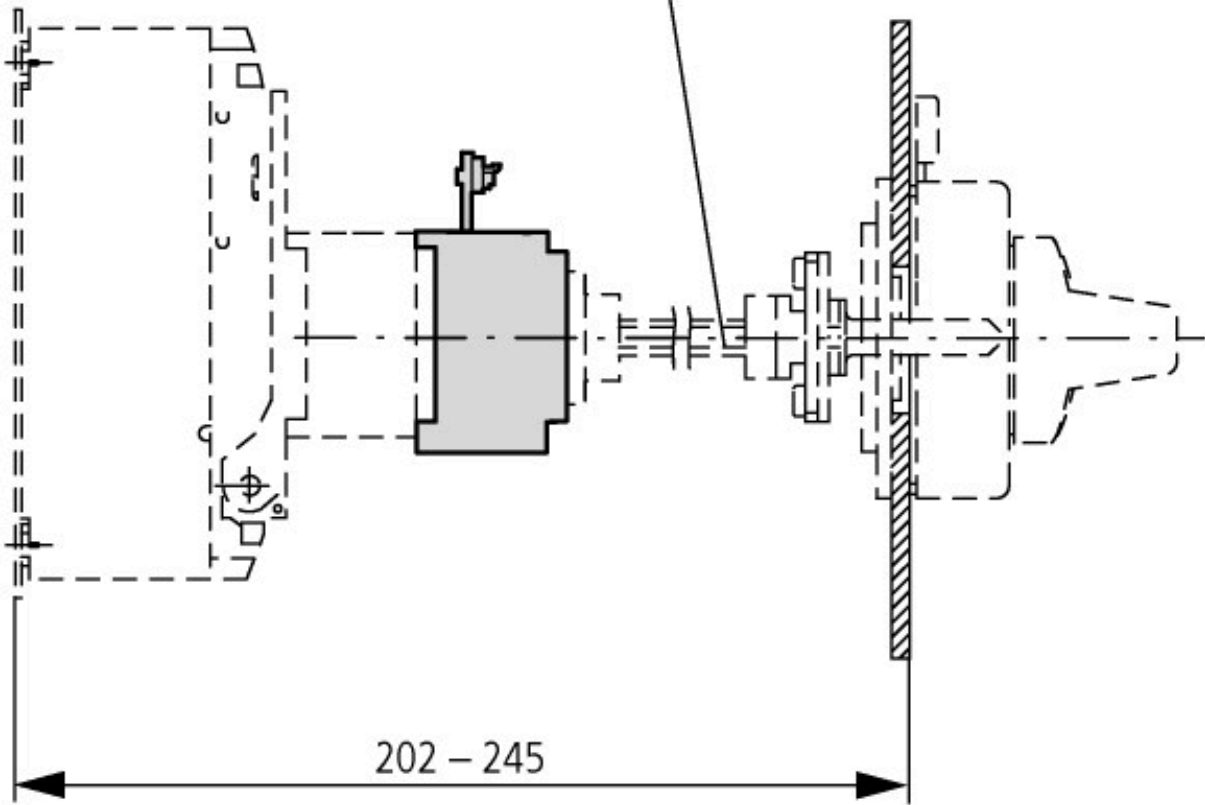


PN1-XPA



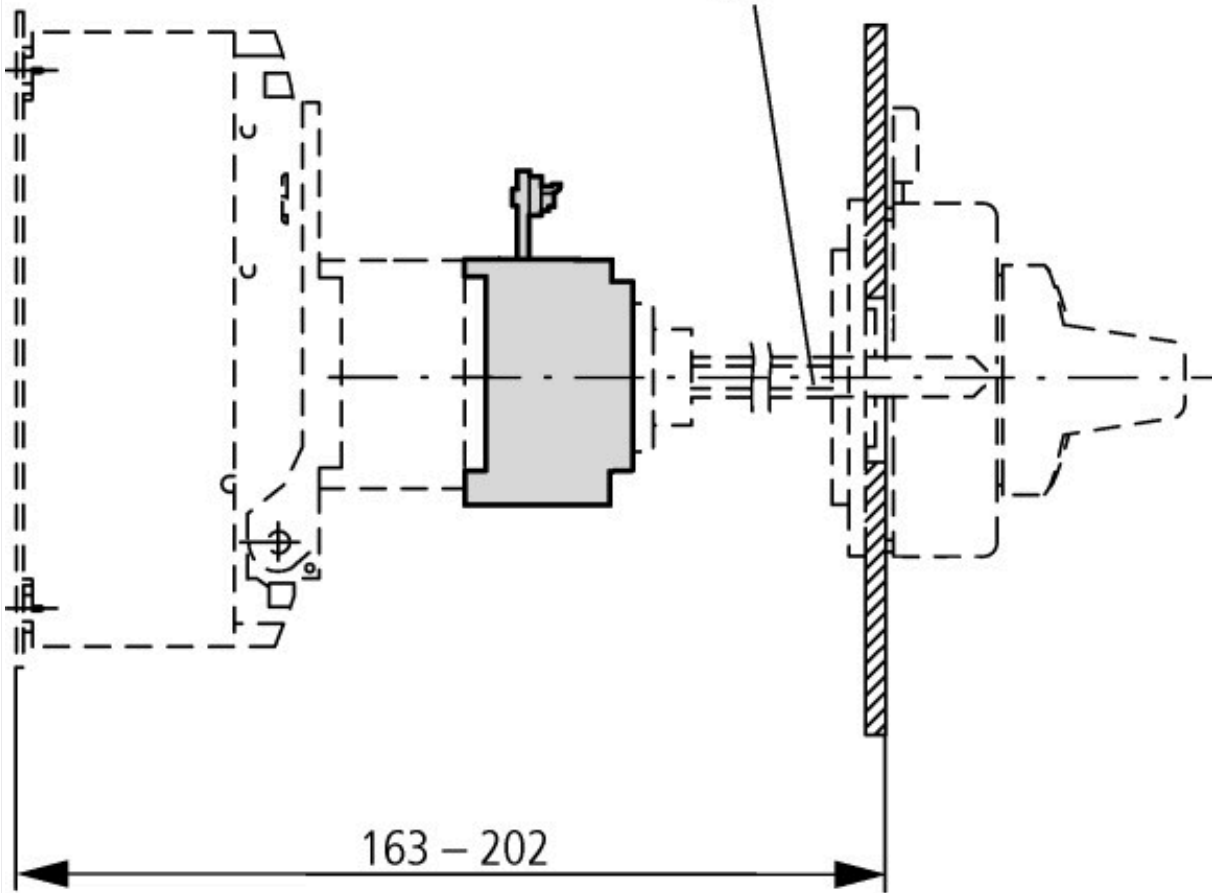
PN1-XPA

NZM1/2-XV...



PN1-XPA + NZM1-XTD-60

①



PN1-XPA + NZM1-XTD-0

① Special tip

## Additional product information (links)

IL01219019Z (AWA1230-2154) Paralleling mechanism	
IL01219019Z (AWA1230-2154) Paralleling mechanism	<a href="https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219019Z2011_02.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219019Z2011_02.pdf</a>
IL01219019Z (AWA1230-2154) Paralleling mechanism	<a href="https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219019Z2021_01.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219019Z2021_01.pdf</a>