



**Door coupling rotary handle, black, lockable on the handle+switch, size 2**

**Part no. NZM2-XTVDV-60**  
**Catalog No. 271509**

Similar to illustration

## Delivery program

|                                                                                                                        |  |                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range                                                                                                          |  | Accessories                                                                                                                                                                                                                                                                    |
| Accessories                                                                                                            |  | Door coupling rotary handle                                                                                                                                                                                                                                                    |
| Standard/Approval                                                                                                      |  | UL/CSA, IEC                                                                                                                                                                                                                                                                    |
| Construction size                                                                                                      |  | NZM2                                                                                                                                                                                                                                                                           |
| Description                                                                                                            |  | Door coupling rotary handle for operating the switch through a closed control panel door                                                                                                                                                                                       |
| Function                                                                                                               |  | Standard, black/grey                                                                                                                                                                                                                                                           |
| Protection class                                                                                                       |  | IP66<br>UL/CSA Type 4X, Type 12                                                                                                                                                                                                                                                |
| Locking facility                                                                                                       |  | lockable on the handle on the switch using up to 3 padlocks<br>Modifiable on handle in I position as well<br>With door interlock                                                                                                                                               |
| Door interlock                                                                                                         |  | Not defeated in the locked OFF and ON positions<br>Can be modified in the unlocked ON position<br>Can be modified such that it can be defeated from the outside using a screwdriver<br>Door can be opened in OFF                                                               |
| Project planning information                                                                                           |  | Complete including rotary drive and coupling parts<br>Extension shaft additionally required.<br>For maximum shaft length 60 mm<br>Without shaft support<br>Cannot be combined with NZM...-XDZ additional handle<br>External warning plate/designation label can be clipped on. |
| For use with                                                                                                           |  | NZM2(-4), PN2(-4), N(S)2(-4)                                                                                                                                                                                                                                                   |
| lockable                                                                                                               |  | double                                                                                                                                                                                                                                                                         |
| <b>Notes</b>                                                                                                           |  |                                                                                                                                                                                                                                                                                |
| Circuit-breaker can also be installed in a lying position 90 ° left/right, with the handle still in the same position. |  |                                                                                                                                                                                                                                                                                |

## 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)

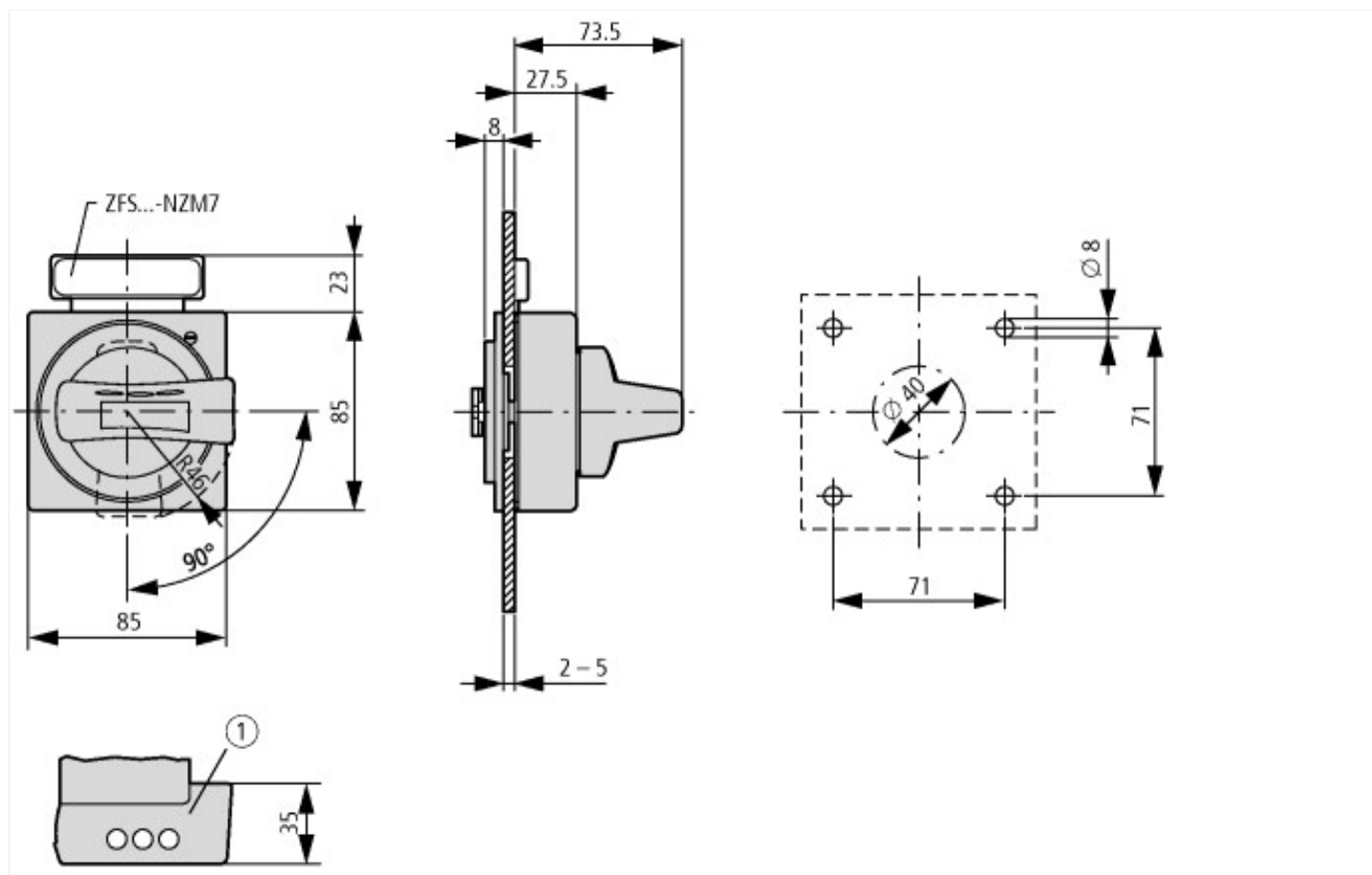
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Handle for switch devices (ec1@ss10.0.1-27-37-04-14 [AKF012014])

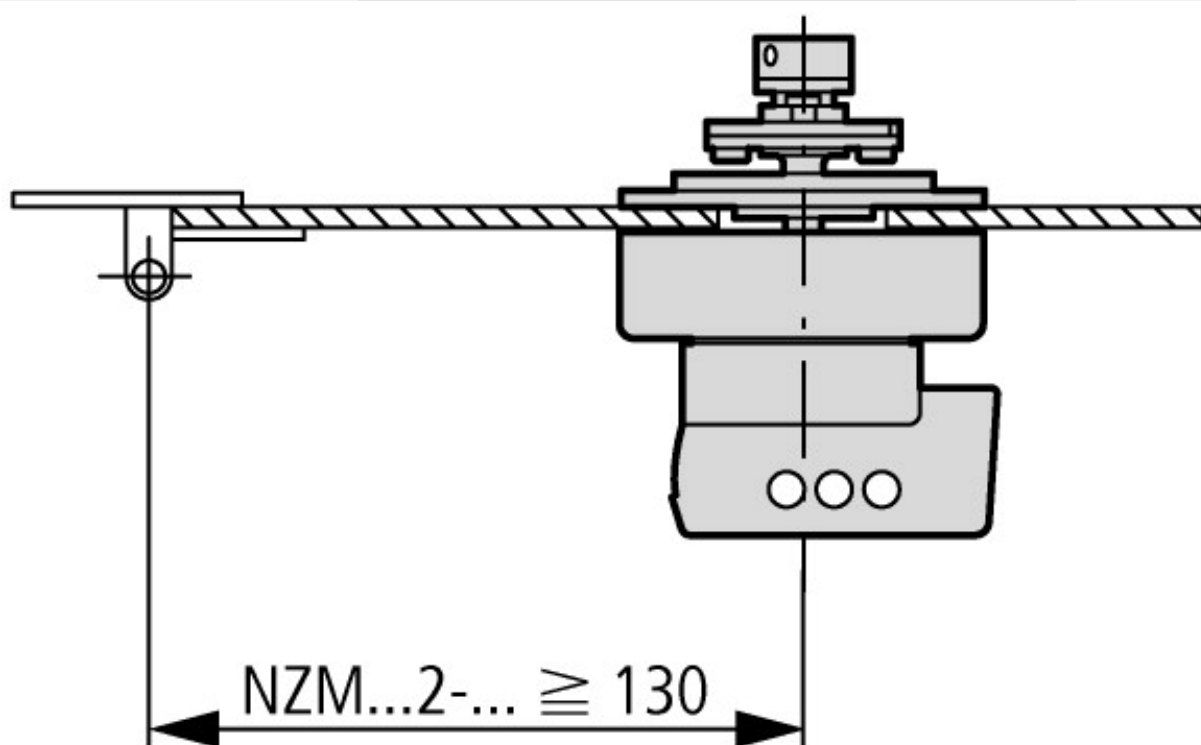
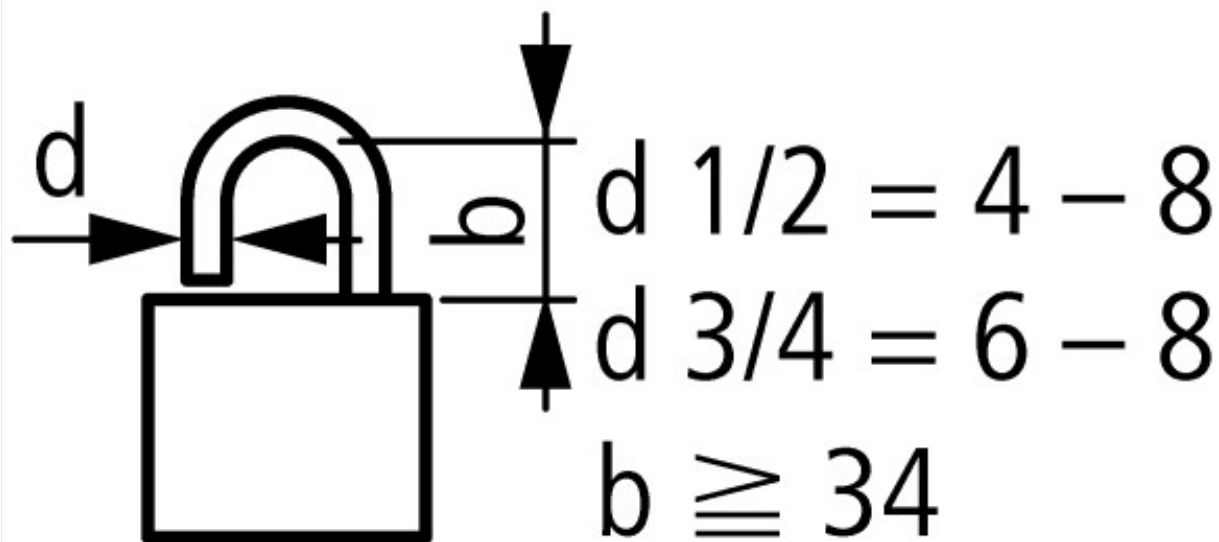
|                                    |  |  |       |
|------------------------------------|--|--|-------|
| Lockable                           |  |  | Yes   |
| Colour                             |  |  | Black |
| Suitable for emergency stop        |  |  | No    |
| With extension shaft               |  |  | 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                        |
| Degree of Protection        |  |  | IEC: IP66, UL/CSA Type 4X, 12                   |

## Dimensions





Minimum door coupling rotary handle clearance from door pivot point

### Additional product information (links)

#### IL01203005Z (AWA1230-1998) Door coupling rotary handle

IL01203005Z (AWA1230-1998) Door coupling rotary handle

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL01203005Z2019\\_03.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01203005Z2019_03.pdf)