

## Individual mounting base, for ZB65 overload relay

|                       |           |
|-----------------------|-----------|
| Part no.              | ZB65-XEZ  |
| Catalog No.           | 278474    |
| Alternate Catalog No. | XTOBXDIND |
| EL-Nummer             | 4131857   |
| (Norway)              |           |

## Delivery program

|               |   |                       |  |
|---------------|---|-----------------------|--|
| Product range |   | Accessories           |  |
| Accessories   |   | Base                  |  |
| Function      |   | For separate mounting |  |
| For use with  |   | ZB65                  |  |
| Notes         | Can be snap fitted on a top-hat rail to IEC/EN 60715 or can be screw fitted.<br>For ZB32-38 use additional contactor BK25/3-PKZ0. |                       |  |

## Technical data

## Main conducting paths

|  |                  |                 |                              |
|--|------------------|-----------------|------------------------------|
| Rated impulse withstand voltage              | U <sub>imp</sub> | V AC            | 6000                         |
| Oversupply voltage category/pollution degree |                  |                 | III/3                        |
| Rated insulation voltage                     | U <sub>i</sub>   | V               | 690                          |
| Rated operational voltage                    | U <sub>e</sub>   | V AC            | 690                          |
| Safe isolation to EN 61140                   |                  |                 |                              |
| Between main circuits                        |                  | V AC            | 440                          |
| Terminal capacities                          |                  | mm <sup>2</sup> |                              |
| Solid  |                  | mm <sup>2</sup> | 1 x (1 - 16)<br>2 x (1 - 16) |
| Flexible with ferrule                        |                  | mm <sup>2</sup> | 1 x (1 - 25)<br>2 x (1 - 25) |
| Stranded                                     |                  | mm <sup>2</sup> | 1 x (16 - 35)                |
| Solid or stranded                            |                  | AWG             | 14 - 2                       |
| Terminal screw                               |                  |                 | M6                           |
| Tightening torque for terminal screw         |                  | Nm              | 3.5                          |
| Stripping length                             |                  | mm              | 11                           |
| Tools  |                  |                 |                              |
| Pozidriv screwdriver                         |                  | Size            | 2                            |
| Standard screwdriver                         |                  | mm              | 1 x 6                        |

## Design verification as per IEC/EN 61439

|  |                   |    |  |
|--|-------------------|----|--|
| Technical data for design verification   |                   |    |  |
| Rated operational current for specified heat dissipation   | I <sub>n</sub>    | A  | 75   |
| Heat dissipation per pole, current-dependent   | P <sub>vid</sub>  | W  | 0.5  |
| Equipment heat dissipation, current-dependent  | P <sub>vid</sub>  | W  | 1.5  |
| Static heat dissipation, non-current-dependent   | P <sub>vs</sub>   | W  | 0  |
| Heat dissipation capacity  | P <sub>diss</sub> | W  | 0  |
| Operating ambient temperature min.   |                   | °C | -25  |
| Operating ambient temperature max.   |                   | °C | 55   |
| 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 8.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for overload protection device (EC002027)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Overload protection device / Overload protection device (accessories) (ecl@ss10.0.1-27-37-15-92 [AC0017011])

|                              |  |      |
|------------------------------|--|------|
| Type of accessory/spare part |  | Base |
| Accessory                    |  | Yes  |
| Spare part                   |  | No   |