



IP23 enclosures, For use with STZ2.5 ... STZ4.0, DTZ1.0 ... DTZ2.0



**Part no.** +IP23/32A  
**Catalog No.** 200763  
**Alternate Catalog No.** -

## Delivery program

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                        |
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| Product range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  | Accessories                            |
| Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  | IP23 enclosures                        |
| For use with                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  | STZ2.5 ... STZ4.0<br>DTZ1.0 ... DTZ2.0 |
| Cu factor 0,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                                        |
| <b>Notes</b><br><p>For the version with enhanced climatic proofing the transformer features a special insulating varnish. This version enables the transformer to be used in areas with a high humidity.</p> <p>When ordering, the type reference must include the following details:</p> <p><b>ETSP25(*/*)</b></p> <p>1<sup>st</sup> wildcard <math>\triangleq</math> Nominal input voltage</p> <p>2<sup>nd</sup> wildcard <math>\triangleq</math> Rated output voltage</p> <p><b>Ordering example</b></p> <ul style="list-style-type: none"> <li>Required throughput rating 55 kVA</li> <li>Desired rated input voltage 400 V</li> <li>Desired rated output voltage 230 V</li> </ul> <p><b>Selection notes</b></p> <p><math>S_N = S \times (1 - \text{Lower voltage} / \text{Higher voltage})</math></p> <p><math>= 55 \text{ kVA} \times (1 - 230\text{V} / 400\text{V}) = 23.4 \text{ kVA}</math></p> <p><math>S_N = \text{kVA type rating}</math></p> <p><math>S = \text{Throughput rating}</math></p> <ul style="list-style-type: none"> <li>The kVA type rating is always lower than the throughput rating.</li> <li>For version with delta stabilizing winding, please enquire.</li> </ul> <p>The correct type reference is</p> <p><b>ETSP25(400/230)</b></p> <p>Transformer-protective circuit-breaker → 088907</p> |  |  |                                        |

## Technical data

### General

|                     |  |  |          |
|---------------------|--|--|----------|
| Ambient temperature |  |  | -25 - 40 |
|---------------------|--|--|----------|

## Design verification as per IEC/EN 61439

|                                                                                                                        |  |    |                                                                    |
|------------------------------------------------------------------------------------------------------------------------|--|----|--------------------------------------------------------------------|
| Technical data for design verification                                                                                 |  |    |                                                                    |
| Operating ambient temperature min.                                                                                     |  | °C | -25                                                                |
| Operating ambient temperature max.                                                                                     |  | °C | 40                                                                 |
| 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) / Empty enclosure for switchgear (EC000712)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (ecI@ss10.0.1-27-37-13-01 [AKN343014])

|                             |  |    |          |
|-----------------------------|--|----|----------|
| Material housing            |  |    | Steel    |
| Width                       |  | mm | 360      |
| Height                      |  | mm | 263      |
| Depth                       |  | mm | 315      |
| With transparent cover      |  |    | No       |
| Suitable for emergency stop |  |    | No       |
| Model                       |  |    | Built-in |
| Degree of protection (IP)   |  |    | IP23     |
| Degree of protection (NEMA) |  |    | Other    |

## Dimensions

