

Compact housing BI-SKAP, MPL, P door



Part no. IKT-BI-3847/SKAP/MP/P
Catalog No. 144723

EL-Nummer (Norway) 1728074

Design verification as per IEC/EN 61439

| Technical data for design verification | | | |
|---|----------------|---|--|
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P _V | W | 35 |
| Starting enclosure for wall mounting | P _V | W | 33 |
| Middle enclosure for wall mounting | P _V | W | 31 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P _V | W | 71 |
| Starting enclosure for wall mounting | P _V | W | 66 |
| Middle enclosure for wall mounting | P _V | W | 61 |
| 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 | | | Not relevant to indoor installations. |
| 10.2.5 Lifting | | | Does not apply to enclosures without lifting aids. |
| 10.2.6 Mechanical impact | | | IK08 |
| 10.2.7 Inscriptions | | | Meets the product standard's requirements. |
| 10.3 Degree of protection of ASSEMBLIES | | | IP30 |
| 10.4 Clearances and creepage distances | | | Is the panel builder's responsibility. |
| 10.5 Protection against electric shock | | | < 0.1 Ω; meets the product standard's requirements. |
| 10.6 Incorporation of switching devices and components | | | Is the panel builder's responsibility. |
| 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 | | | U _i = 400 V AC |
| 10.9.3 Impulse withstand voltage | | | 2.5 kV |
| 10.9.4 Testing of enclosures made of insulating material | | | Does not apply to metal enclosures. |
| 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. |
| 10.12 Electromagnetic compatibility | | | Is the panel builder's responsibility. |
| 10.13 Mechanical function | | | Meets the product standard's requirements. |

Technical data ETIM 7.0

| Distribution boards (EG000023) / Cable entry cabinet (EC000268) | | | |
|--|--|-----------------|-----|
| Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Cable entry cabinet (ecl@ss10.0.1-27-14-24-22 [ADI317007]) | | | |
| Mounting alongside enclosure | | | No |
| Mounting over enclosure | | | Yes |
| Mounting under enclosure | | | Yes |
| Number of poles | | | 4 |
| Max. cross section connection cable | | mm ² | 16 |
| Max. cross section incoming cable | | mm ² | 50 |

| | | | |
|---------------------------|--|----|-------|
| Connection type | | | Clamp |
| Degree of protection (IP) | | | IP30 |
| Height | | mm | 385 |
| Width | | mm | 475 |
| Depth | | mm | 220 |