

# Specifications

## Eaton 147525

Eaton Metering Board BI-Skap/TKS Compact housing for BI-SKAP with MPL patch

### General specifications

|                             |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Metering Board BI-Skap/TKS LV systems Final Distribution Boards |
| <b>CATALOG NUMBER</b>       | 147525                                                                |
| <b>MODEL CODE</b>           | IKT-BI-3854/SKAP/MP-PATCH                                             |
| <b>EAN</b>                  | 4015081440436                                                         |
| <b>PRODUCT LENGTH/DEPTH</b> | 507 mm                                                                |
| <b>PRODUCT HEIGHT</b>       | 220 mm                                                                |
| <b>PRODUCT WIDTH</b>        | 395 mm                                                                |
| <b>PRODUCT WEIGHT</b>       | 8.7 kg                                                                |
| <b>COMPLIANCES</b>          | RoHS conform                                                          |

## Product specifications

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility.                                                                                           |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility.                                                                                           |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | Meets the product standard's requirements.                                                                                       |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Not relevant to indoor installations.                                                                                            |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply to enclosures without lifting aids.                                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | IK08                                                                                                                             |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | IP30                                                                                                                             |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Is the panel builder's responsibility.                                                                                           |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                                           | < 0.1 $\Omega$                                                                                                                   |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>                           | Is the panel builder's responsibility.                                                                                           |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>                                | Is the panel builder's responsibility.                                                                                           |
| <b>10.8 CONNECTIONS FOR</b>                                                             | Is the panel builder's                                                                                                           |

## Resources

|                                                                                       |                                     |
|---------------------------------------------------------------------------------------|-------------------------------------|
| <b>EXTERNAL CONDUCTORS</b>                                                            | responsibility.                     |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                                       | U <sub>i</sub> = 400 V AC           |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                                               | 2.5 kV                              |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>                       | Does not apply to metal enclosures. |
| <b>DEGREE OF PROTECTION</b>                                                           | IP30                                |
| <b>CONNECTION TYPE</b>                                                                | Clamp                               |
| <b>CROSS SECTION (INCOMING CABLE) - MAX</b>                                           | 50 mm <sup>2</sup>                  |
| <b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 38 W                                |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>  | 33 W                                |
| <b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 36 W                                |
| <b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 77 W                                |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>  | 66 W                                |
| <b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 72 W                                |
| <b>NUMBER OF POLES</b>                                                                | Four-pole                           |
| <b>CROSS SECTION (CONNECTION CABLE) - MAX</b>                                         | 16 mm <sup>2</sup>                  |
| <b>MOUNTING METHOD</b>                                                                | Mounting under enclosure            |
|                                                                                       | Mounting over enclosure             |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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