

Eaton 174191

Eaton xComfort IKA LV systems Final
Distribution Boards. IKA industrial
distribution board, UV-stable, IP65 + clamps,
2/24-ST-UV

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| PRODUCT NAME | Eaton xComfort IKA industrial series |
| CATALOG NUMBER | 174191 |
| PRODUCT LENGTH/DEPTH | 145 mm |
| PRODUCT HEIGHT | 436 mm |
| PRODUCT WIDTH | 310 mm |
| PRODUCT WEIGHT | 2.83 kg |
| COMPLIANCES | RoHS conform |
| CERTIFICATIONS | IEC/EN 60670-24 EN 62208 |

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| USED WITH | Basic device |
| | Installation distribution board IKA industrial distribution board |
| SPECIAL FEATURES | <ul style="list-style-type: none"> • IP65 • Protection Class II • Plastic enclosure gray (RAL 7035) |
| TYPE | <ul style="list-style-type: none"> • Basic device • IKA industrial distribution board • Installation distribution board |
| FEATURES | UV resistant |
| 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. |
| 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 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS | 850 °C; meets the product standard's requirements. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | 1000 h of UV exposure as per ISO 4892-2; meets the product standard's requirements. |
| 10.2.5 LIFTING | Does not apply to enclosures without lifting |

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| eaton-xcomfort-ika-installation-il014003zu-z.pdf |
| eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf |
| eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-007.eps |
| eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-016.eps |

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| 10.2.6 MECHANICAL IMPACT | IK08 |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. |
| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES | IP65 |
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Is the panel builder's responsibility. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Protection class 2, therefore not applicable. |
| 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. |
| 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH | Ui = 1000 V AC |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | 3.3 kV |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | Meets the product standard's requirements. |
| FITTED WITH: | Reserve section cover 6 space units Sealing caps Current circuit designation Device support rails Basic device Neutral-/protective conductor terminal Locking screws can be sealed |
| ENCLOSURE MATERIAL | Plastic |
| BUILT-IN HEIGHT | 0 mm |
| BUILT-IN WIDTH | 0 mm |
| CABLE ENTRY POSTION | Metric cable entries on top and bottom, side, back plate |
| TERMINAL TYPE | Screw terminals |
| BUILT-IN DEPTH | 70 mm |
| HEAT DISS. AMBIENT | 30 W |

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| 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890) | |
| CLOSURE TYPE | Other |
| COVER/DOOR COLOR | Transparent |
| COVER/DOOR MODEL | With notch |
| COVER/DOOR TYPE | Door Single |
| RAL-NUMBER | 7035 |
| WIDTH IN NUMBER OF MODULAR SPACINGS | 12 |
| AMBIENT OPERATING TEMPERATURE DETAILS | -25 °C - 40 °C |
| APPLICATION | <ul style="list-style-type: none"> Indoor (installation site) Outdoor (installation site) |
| VOLTAGE RATING AT AC | 415 V AC |
| COLOR | Light gray (RAL 7035) Gray |
| NUMBER OF ROWS | 2 |
| FREQUENCY RATING OF CONTACTS | 50 Hz |
| MODULE RACK TYPE | Rail frame |
| DEGREE OF PROTECTION | IP65 IK08 (impact resistance) |
| NUMBER OF MODULE SPACE UNITS PER ROW | 12 |
| PROTECTION CLASS | II (totally insulated) |
| PROTECTIVE SHROUDING MATERIAL | Plastic |
| FUNCTIONS | Basic device Extension possible Sealable |
| MATERIAL | Polycarbonate (plastic) |
| MOUNTING METHOD | DIN-rail Surface mounted (plaster) Surface mounting |
| HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890) | 59 W |
| INTERNAL DEPTH | 60 mm |
| PE AND N TERMINAL NUMBER AND CROSS SECTION | PE: 8 x (2.5 mm ² - 6 mm ²) + 8 x (4 mm ² - 10 mm ²) + 1 x (10 mm ² - 25 mm ²) + 1 x |

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| | (16 mm ² - 35 mm ²) N: 8 x (2.5 mm ² - 6 mm ²) + 8 x (4 mm ² - 10 mm ²) + 1 x (10 mm ² - 25 mm ²) + 1 x (16 mm ² - 35 mm ²) |
| NUMBER OF OPENINGS FOR SOCKET OUTLETS | 0 |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

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