

## Eaton 174189

Eaton xComfort IKA LV systems Final  
Distribution Boards. IKA industrial  
distribution board, UV-stable, IP65 + clamps,  
1/8-ST-UV

PRODUCT NAME	Eaton xComfort IKA industrial series
CATALOG NUMBER	174189
PRODUCT LENGTH/DEPTH	115 mm
PRODUCT HEIGHT	231 mm
PRODUCT WIDTH	238 mm
PRODUCT WEIGHT	0.93 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208 IEC/EN 60670-24

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

<a href="#">eaton-xcomfort-ika-installation-il014003zu-z.pdf</a>
<a href="#">eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf</a>
<a href="#">eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-005.eps</a>
<a href="#">eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-014.eps</a>

	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>	IP65
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Protection class 2, therefore not applicable.
<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 EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Ui = 1000 V AC
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	3.3 kV
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Meets the product standard's requirements.
<b>FITTED WITH:</b>	Neutral-/protective conductor terminal Device support rails Current circuit designation  Basic device Sealing caps Locking screws can be sealed
<b>ENCLOSURE MATERIAL</b>	Plastic
<b>BUILT-IN HEIGHT</b>	0 mm
<b>BUILT-IN WIDTH</b>	0 mm
<b>CABLE ENTRY POSTION</b>	Metric cable entries on top and bottom, back plate
<b>TERMINAL TYPE</b>	Screw terminals
<b>BUILT-IN DEPTH</b>	70 mm
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	14 W

<b>CLOSURE TYPE</b>	Other
<b>COVER/DOOR COLOR</b>	Transparent
<b>COVER/DOOR MODEL</b>	With notch
<b>COVER/DOOR TYPE</b>	Door Single
<b>RAL-NUMBER</b>	7035
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	8
<b>AMBIENT OPERATING TEMPERATURE DETAILS</b>	-25 °C - 40 °C
<b>APPLICATION</b>	<ul style="list-style-type: none"> <li>Indoor (installation site)</li> <li>Outdoor (installation site)</li> </ul>
<b>VOLTAGE RATING AT AC</b>	415 V AC
<b>COLOR</b>	Light gray (RAL 7035) Gray
<b>NUMBER OF ROWS</b>	1
<b>FREQUENCY RATING OF CONTACTS</b>	50 Hz
<b>MODULE RACK TYPE</b>	Single-rail
<b>DEGREE OF PROTECTION</b>	IP65 IK08 (impact resistance)
<b>NUMBER OF MODULE SPACE UNITS PER ROW</b>	8
<b>PROTECTION CLASS</b>	II (totally insulated)
<b>PROTECTIVE SHROUDING MATERIAL</b>	Plastic
<b>FUNCTIONS</b>	Basic device Extension possible Sealable
<b>MATERIAL</b>	Polycarbonate (plastic)
<b>MOUNTING METHOD</b>	DIN-rail Surface mounting Surface mounted (plaster)
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	29 W
<b>INTERNAL DEPTH</b>	60 mm
<b>PE AND N TERMINAL NUMBER AND CROSS SECTION</b>	N: 4 x (2.5 mm <sup>2</sup> - 6 mm <sup>2</sup> ) + 4 x (4 mm <sup>2</sup> - 10 mm <sup>2</sup> ) + 1 x (16 mm <sup>2</sup> - 35 mm <sup>2</sup> ) PE: 4 x (2.5 mm <sup>2</sup> - 6 mm <sup>2</sup> ) + 4 x (4 mm <sup>2</sup> - 10 mm <sup>2</sup> ) + 1 x (16 mm <sup>2</sup> - 35 mm <sup>2</sup> )

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**NUMBER OF OPENINGS  
FOR SOCKET OUTLETS**

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**PROJECT NAME:**

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**PROJECT NUMBER:**

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**PREPARED BY:**

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