

Specifications



Eaton 177075

Eaton xComfort Micro/Mini LV systems Final Distribution Boards. Mini compact distribution board, 1-row 6 SU, IP30

General specifications

PRODUCT NAME	Eaton xComfort Micro/Mini mini series
CATALOG NUMBER	177075
MODEL CODE	MINI-6-ST
EAN	4015081715183
PRODUCT LENGTH/DEPTH	83 mm
PRODUCT HEIGHT	140 mm
PRODUCT WIDTH	130 mm
PRODUCT WEIGHT	0.28 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 62208



Powering Business Worldwide

Additional information

FEATURES	EMC-version
FITTED WITH:	Basic device Neutral-/protective conductor terminal
FUNCTIONS	Basic device Sealable
PROTECTION CLASS	II (totally insulated)
RAL-NUMBER	9003
SPECIAL FEATURES	IP30 Protection Class II Plastic housing white (RAL 9003)
USED WITH	Basic device Installation distribution board MINI distribution board

Delivery programme

APPLICATION	Indoor (installation site)
COLOR	White Signal white (RAL 9003)
TYPE	Basic device Installation distribution board MINI distribution board

Design verification to IEC/EN 61439

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	650 °C; 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	IK05
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	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	Is the panel builder's

Design verification to IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE DETAILS	-5 °C - 40 °C
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EXTERNAL CONDUCTORS	responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	U _i = 400 V AC
10.9.3 IMPULSE WITHSTAND VOLTAGE	2.8 kV
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Meets the product standard's requirements.

Technical data - electrical

FREQUENCY RATING OF CONTACTS	50 Hz
VOLTAGE RATING AT AC	400 V AC

Technical data - mechanical

BUILT-IN DEPTH	70 mm
CABLE ENTRY POSTION	Metric cable entries on top and bottom, side, back plate
CLOSURE TYPE	Other
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Door Single
DEGREE OF PROTECTION	IP30 IK05 (impact resistance)
ENCLOSURE MATERIAL	Plastic
INTERNAL DEPTH	60 mm
MATERIAL	ABS (plastic)
MODULE RACK TYPE	Single-rail
MOUNTING METHOD	Surface mounting Surface mounted (plaster) DIN-rail
NUMBER OF MODULE SPACE UNITS PER ROW	6
NUMBER OF ROWS	1
PE AND N TERMINAL NUMBER AND CROSS SECTION	N: 1 x 16 mm ² PE: 6 x 10 mm ²
PROTECTIVE SHROUDING MATERIAL	Plastic
TERMINAL TYPE	Screw terminals
WIDTH IN NUMBER OF MODULAR SPACINGS	6

Temperature-rise verification as per IEC 60890

HEAT DISS. AMBIENT
35°C DELTA T:20°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890) 11 W

HEAT DISS. AMBIENT
35°C DELTA T:35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890) 13 W

Resources

BROCHURES

[eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf](#)

CERTIFICATION REPORTS

[eaton-xcomfort-mini-micro-declaration-of-conformity-251017-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[eaton-mini-series-declaration-of-conformity-eu250253en.pdf](#)

[eaton-mini-series-declaration-of-conformity-uk251465en.pdf](#)

DRAWINGS

[eaton-lighting-distribution-xcomfort-micro-mini-lv-systems-dimensions-008.eps](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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