

Mini compact distribution board, 1-row 6 SU, IP30



Part no. MINI-6-ST
177075
EL Number 1702980
(Norway)

General specifications		
Product name		Eaton xComfort Micro/Mini mini series
Part no.		MINI-6-ST
EAN		4015081715183
Product Length/Depth		83 millimetre
Product height		140 millimetre
Product width		130 millimetre
Product weight		0.28 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 62208
Product Tradename		xComfort Micro/Mini
Product Type		Mini series
Product Sub Type		None
Delivery program		
Type		Basic device Installation distribution board MINI distribution board
Application		Indoor (installation site)
Color		White Signal white (RAL 9003)
Technical Data - Electrical		
Voltage rating at AC		400 V AC
Frequency rating of contacts		50 Hz
Technical Data - Mechanical		
Closure type		Other
Enclosure material		Plastic
Width in number of modular spacings		6
Mounting method		Surface mounting Surface mounted (plaster) DIN-rail
Material		ABS (plastic)
Degree of protection		IP30 IK05 (impact resistance)
Number of module space units per row		6
Number of rows		1
Terminal type		Screw terminals
PE and N terminal number and cross section		N: 1 x 16 mm ² PE: 6 x 10 mm ²
Built-in depth		70 mm
Built-in height		0 mm
Built-in width		0 mm
Internal depth		60 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Door Single
Module rack type		Single-rail
Protective shrouding material		Plastic
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

Design verification as per IEC/EN 61439 - technical data		
Ambient operating temperature details		-5 °C - 40 °C
Design verification as per IEC/EN 61439		
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 external conductors		Is the panel builder's 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.
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.
Additional information		
Features		EMC-version
Fitted with:		Basic device Neutral-/protective conductor terminal
Functions		Basic device
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

Technical data ETIM 9.0

Distribution boards (EG000023) / Small distribution board (EC000214)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecl@ss13-27-14-24-09 [ACN387016])		
Mounting method		Surface mounted
Number of rows		1
Width in number of modular spacings		6
Type of covering		Door
Cover model		Closed
Type of door		Single
Transparent cover/door		Yes
Signal passing door		No
With lock		No
Type of closure		Other
Housing material		Plastic
Built-in depth	mm	70
Built-in height	mm	0
Built-in width	mm	0
Inner depth	mm	60
Earthing terminal block		No

Neutral terminal block			No
DIN-rail			Yes
With mounting plate			No
Extension possible			No
EMC-version			Yes
UV resistant			No
Colour			White
RAL-number			9003
Degree of protection (IP)			IP30
Height		mm	140
Width		mm	130
Depth		mm	83