DATASHEET - BF-U-5/120-C



Complete flush-mounted flat distribution board, white, 24 SU per row, 5 rows, type $\ensuremath{\mathsf{C}}$

BF-U-5/120-C

283050



Part no. Catalog No.

Delivery program Basic function Basic device Product function Installation distribution boards Product range BF flat DBO Hollow wall Design Flush mounted Installation site Indoor Type of installation Hollow-wall mounting and flush mounting Door/Flap White Degree of Protection IP30 Colour White Module rack Rail-frame Shroud for protection against accidental contact Metal Rows Count 5 Module units per row 24 Description IP30 Protection Class I Steel sheet enclosure white (RAL 9016) Cable entries Cable entries on top and bottom PE and N terminals design Screw terminals PE and N terminals PE: 2 x 25 + 43 x 16 Number mm² x cross-N: 2 x 25 + 43 x 16 sectional area Equipment supplied Wall trough with door frame Door with three-point turn-lock DIN rail mounting frame Front plates Neutral-/protective conductor terminal

Technical data General

Standards			IEC/EN 61439-1, IEC/EN 61439-3, IEC/EN 62208
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council) $\label{eq:council}$			conform
Ambient temperature		°C	-5 - +40
Degree of Protection			IP30
Protection class			l (earthed)
Rated operational voltage	Ue	V AC	415
Rated frequency	f	Hz	50/60
Material characteristics			
Material			Sheet steel, powder-coated
Colour			white (RAL 9016)
Material properties			
Mechanical			
Impact resistance			IK07

Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure, flush mounting	P _V	W	55
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			

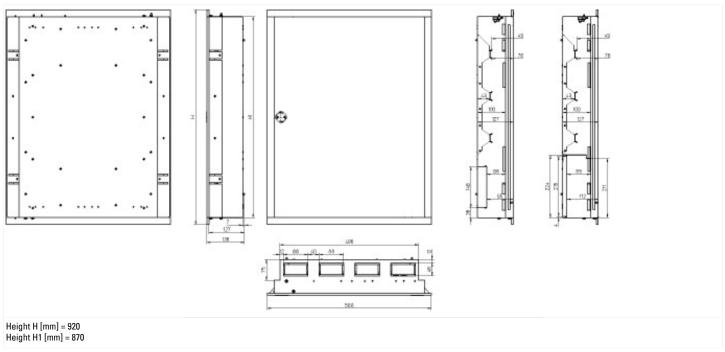
Individual enclosure, flush mounting	PV	W	110
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			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			IK07
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			$<$ 0.1 $\Omega;$ meets the product standard's requirements.
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 Insulation properties			
10.9.2 Power-frequency electric strength			U _i = 415 V AC
10.9.3 Impulse withstand voltage			Does not apply to basic enclosures as defined in EN 62208.
10.9.4 Testing of enclosures made of insulating material			Does not apply to metal enclosures.
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.

Technical data ETIM 7.0

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011]) Mounting method Flush mounted (plaster) Number of rows 5 Width in number of modular spacings 24 Type of cover Door Cover model Closed Transparent cover/door No Material housing Steel Height 920 mm Width 588 mm Depth mm 136 Built-in depth 127 mm Internal depth mm 127 DIN-rail Yes With mounting plate No No Extension possible EMC-version No Colour White RAL-number 9016 IP30 Degree of protection (IP) With lock No Type of closure Other

Dimensions



Additional product information (links)

Product overview (Web)

http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm