DATASHEET - BF-U-6/198-A



Complete flush-mounted flat distribution board, white, 33 SU per row, 6 rows, type ${\rm A}$



Part no. Catalog No. BF-U-6/198-A 240747

Delivery program			
Basic function			Basic device
Product function			Installation distribution boards
Product range			BF flat DBO
Design			Hollow wall 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		6
Module units per row			33
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	Number x cross- sectional area	mm ²	N: 2 x 25 + 9 x 16 PE: 2 x 25 + 74 x 16
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

RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council) Image: Conform conform Ambient temperature °C -5 - 40 Degree of Protection FO FO Protection class Image: Conform Image: Conform Rated operational voltage Ue VAC Image: Conform Rated frequency f VAC 15 Material Characteristics Image: Conform Sofo Colour Image: Conform Sofo Material properties Image: Conform Sofo				
Council) Image: Mathematic Section Ambient temperature % % 5-440 Degree of Protection % % Frado Protection class % % 1930 Rated operational voltage % % 1(earthed) Rated frequency % % 15 Material characteristics % % \$heet steel, powder-coated Colour % % \$heet steel, powder-coated Material properties % % \$heet steel, powder-coated Material properties % % \$heet steel, powder-coated	Standards			IEC/EN 61439-1, IEC/EN 61439-3, IEC/EN 62208
Degree of Protection Image: State of Protection class Image: Protection cl	RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council) $\label{eq:council}$			conform
Protection class I (earthed) Rated operational voltage Ue V AC Rated frequency f Hz Material characteristics 50/60 Colour I Sheet steel, powder-coated Material properties white (RAL 9016)	Ambient temperature		°C	-5 - +40
Rated operational voltageUeV AC415Rated frequencyfHz50/60Material characteristicssteel, powder-coatedColourrefrefsteel, powder-coatedMaterial propertiesrefsteel, powder-coatedMaterial propertiesrefsteel, powder-coated	Degree of Protection			IP30
Rated frequency f Hz 50/60 Material characteristics Material characteristics Sheet steel, powder-coated Colour ioi ioi white (RAL 9016) Material properties Material ioi Ioi Ioi	Protection class			l (earthed)
Material characteristics Material Sheet steel, powder-coated Colour white (RAL 9016) Material properties Material and	Rated operational voltage	Ue	V AC	415
Material Sheet steel, powder-coated Colour white (RAL 9016) Material properties Material properties	Rated frequency	f	Hz	50/60
Colour white (RAL 9016) Material properties Mechanical	Material characteristics			
Material properties Mechanical	Material			Sheet steel, powder-coated
Mechanical	Colour			white (RAL 9016)
	Material properties			
Impact resistance IK07	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	57
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			

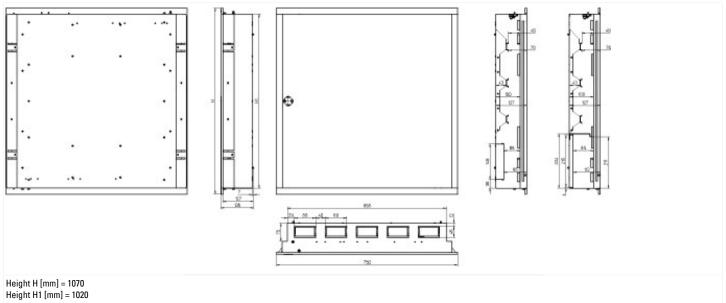
Individual enclosure, flush mounting	P _V	W	114
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 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 6 Width in number of modular spacings 33 Type of cover Door Cover model Closed Transparent cover/door No Material housing Steel Height 1070 mm Width 750 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