DATASHEET - BF-UT-6/198-C

Complete flush-mounted flat distribution board with window, white, 33 SU per row, 6 rows, type C

Part no.	**BF-UT-6/198-C**
Catalog No.	**103123**

EAT·N
Powering Business Worldwide™

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		Transparent
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 · mm²	PE: 2 x 25 + 58 x 16 N: 2 x 25 + 58 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

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)			conform
Ambient temperature		°C	-5 - +40
Degree of Protection			IP30
Protection class			I (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	57

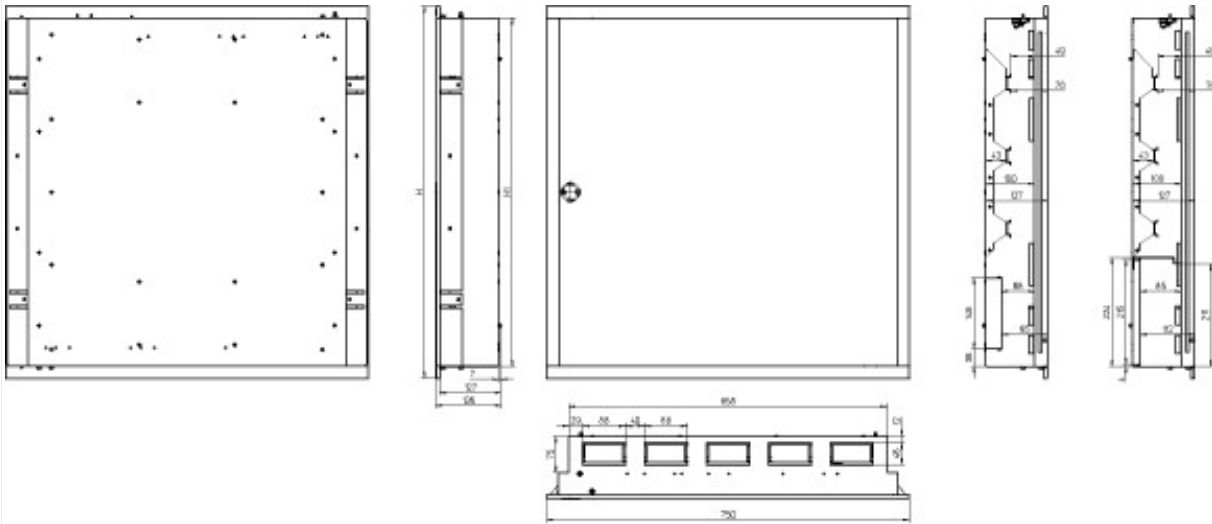|			
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure, flush mounting	P_V	W	114
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product 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 Ω; 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		With notch
Transparent cover/door		Yes
Material housing		Steel
Height	mm	1070
Width	mm	750
Depth	mm	136
Built-in depth	mm	127
Internal depth	mm	127
DIN-rail		Yes
With mounting plate		No
Extension possible		No
EMC-version		No
Colour		White
RAL-number		9016
Degree of protection (IP)		IP30
With lock		No
Type of closure		Other

Dimensions

Height H [mm] = 1070
Height H1 [mm] = 1020

Additional product information (links)

Product overview (Web)	http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm