DATASHEET - BF-U-6/198-C



Complete flush-mounted flat distribution board, white, 33 SU per row, 6 rows, type $\ensuremath{\text{\textbf{C}}}$



Part no. BF-U-6/198-C Catalog No. BF-U-6/198-C

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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	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

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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, calculated as per IEC 60890			
Individual enclosure, flush mounting	P_{V}	CO	57
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			

Individual enclosure, flush mounting	P_{V}	CO	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.

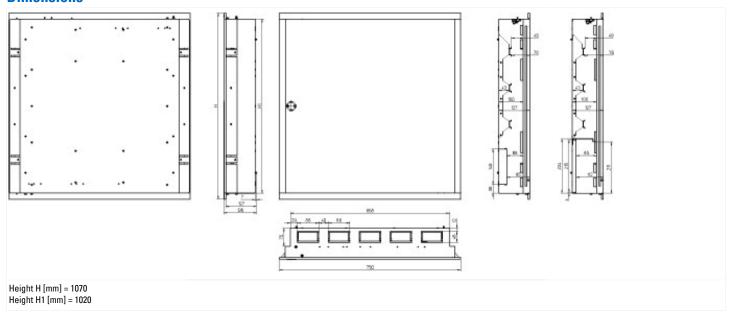
Technical data ETIM 6.0

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@ss8.1-27-14-24-09 [ACN387008])

Mounting methodInsimounted (plaster)Number of rows55Width in number of modular spacings61233Tope of cover51010Cover model61210Transparent cover/door71210Material husing81010Height91010Width of All Line of the properties o	(ecl@ss8.1-27-14-24-09 [ACN387008])		
Width in number of modular spacingsHeap of coverHeap o	Mounting method		Flush mounted (plaster)
Type of cover Door Cover model Closed Transparent cover/door No Material housing Steel Height Mo Width mm 750 Depth mm 36 Built-in depth mm 127 Internal depth mm 127 DIN-rail Yes With mounting plate No No Extension possible No No EMC-version No No Colour White White RAL-number 9016 1930 Degree of protection (IP) 1930 1930	Number of rows		6
Cover model Closed Transparent cover/door Mo No Material housing Steel Height mm 1070 Width mm 750 Depth mm 136 Built-in depth mm 127 Internal depth mm 127 DIN-rail yes yes With mounting plate No No Extension possible No No EMC-version No No Colour White White RAL-number 9016 Hiss Degree of protection (IP) 1830 Hiss	Width in number of modular spacings		33
Transparent cover/door No 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	Type of cover		Door
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 Extension No Colour No RAL-number White Degree of protection (IP) 1930	Cover model		Closed
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 No Extension possible No No EMC-version No No Colour White White RAL-number 9016 P016 Degree of protection (IP) P02 P03	Transparent cover/door		No
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 No RAL-number White Possible Possible Extension possible No EMC-version No Colour No RAL-number Possible Degree of protection (IP) Possible	Material housing		Steel
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	Height	mm	1070
Built-in depth Internal depth Internal depth DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) Internal depth Imm I27 Ves Ves Ves Ves Vo Ves Ves Vo Vo Ves Vo Vo Ves Ves Vo Vo Ves Ves Vo Vo Ves Ves Ves Vo Ves	Width	mm	750
Internal depth DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) mm 127 Yes No No No No White No White 127 Yes No	Depth	mm	136
DIN-rail With mounting plate No Extension possible EMC-version Colour RAL-number Degree of protection (IP) Yes No Vo White PSD	Built-in depth	mm	127
With mounting plate No Extension possible No EMC-version No Colour White RAL-number 9016 Degree of protection (IP) No N	Internal depth	mm	127
Extension possible No EMC-version No Colour White RAL-number 9016 Degree of protection (IP) IP30	DIN-rail		Yes
EMC-versionNoColourWhiteRAL-number9016Degree of protection (IP)IP30	With mounting plate		No
Colour White RAL-number 9016 Degree of protection (IP) IP30	Extension possible		No
RAL-number 9016 Degree of protection (IP) IP30	EMC-version		No
Degree of protection (IP)	Colour		White
	RAL-number		9016
With lock No	Degree of protection (IP)		IP30
	With lock		No

Dimensions



Additional product information (links)

Product overview (Web)

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