

# Complete flush-mounted flat distribution board, white, 24 SU per row, 2 rows, type $\ensuremath{\mathsf{E}}$



Part no. BF-U-2/48-E Article no. 283052

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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		2
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	Number x cross- sectional area	mm <sup>2</sup>	N: 2 x 25 + 13 x 16 PE: 2 x 25 + 13 x 16
Equipment supplied			Wall trough with door frame Door with Profi -ine 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, calculated as per IEC 60890 $$			
Individual enclosure, flush mounting	$P_{V}$	CO	34
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	69

C/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 <sub>i</sub> = 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.

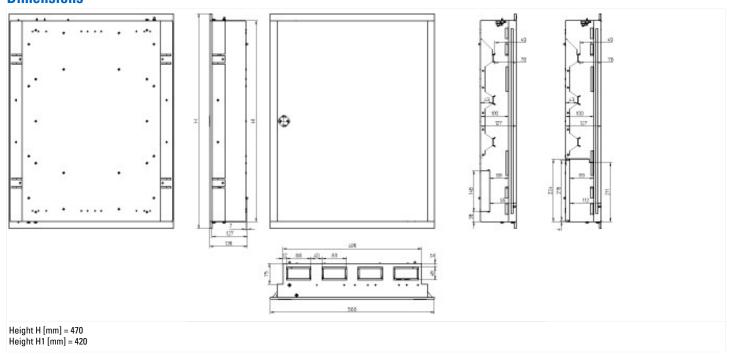
#### **Technical data ETIM 6.0**

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])

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Mounting method		Flush mounted (plaster)
Number of rows		2
Width in number of modular spacings		24
Type of cover		Door
Cover model		Closed
Transparent cover/door		No
Material housing		Steel
Height	mm	470
Width	mm	588
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

## **Dimensions**



# **Additional product information (links)**

Product overview (Web)

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