DATASHEET - BF-U-6/144-E



Complete flush-mounted flat distribution board, white, 24 SU per row, 6 rows, type ${\sf E}$



Part no. BF-U-6/144-E Catalog No. 285221

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- control / programm			
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			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 ²	N: 2 x 25 + 27 x 16 PE: 2 x 25 + 27 x 16
Equipment supplied			Wall trough with door frame Door with Profi-Line three-point turn-lock DIN rail mounting frame Front plates Neutral-/protective conductor terminal

Technical data

General

Conordi			
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	62
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			

IEC/EN 61439 design verification 10.2 Strength of materials and parts 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Verification of resistance of insulating materials to abnormal heat 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength Weets the product standard's requirements. Wheets the product standard's requirements. Insulation properties 10.1 Product standard's requirements. Insulation properties 10.2 Protection against electric shock 10.3 Internal electrical circuits and connections 10.4 Clearances and components 10.5 Internal electrical circuits and connections 10.6 Internal electrical circuits and connections 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength	
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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. Eato provide heat dissipation data for the devices.	will
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.	

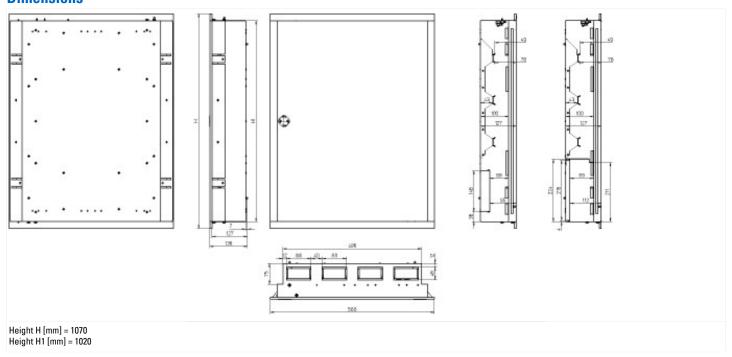
Technical data ETIM 7.0

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])

Number of rows 6 Vidth in number of modular spacings 24 Over model Closed Interparent cover/door No Meterial housing mm 1070 Midth mm 588 Depth mm 127 Internal depth mm 127 Norrail Yes With mounting plate No Extension possible No Extension possible No MAL-number Withe No Delayers of protection (IP) With red Withe With lock IP30 Moth No	(ecl@ss10.0.1-27-14-24-09 [ACN387011])		
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dransparent cover/door No Material housing Steel Height mm 1070 Width 588 Depth mm 127 Built-in depth mm 127 Internal depth mm 127 Vith mounting plate Yes Extension possible No Extension possible No Colour White VAL-number White Degree of protection (IP) Pos With lock IP30 No Pos Place Place No Place Vith lock Place No Place N	Type of cover		Door
Material housing Steel Height mm 1070 Width mm 588 Depth mm 136 Built-in depth mm 127 Internal depth mm 127 With mounting plate No No Extension possible No No EMC-version No White Solur White 9016 SAL-number 9016 1930 Virth lock In No No	Cover model		Closed
deight mm 1070 Width mm 588 Depth mm 136 Built-in depth mm 127 Internal depth mm 127 Din-rail Yes No With mounting plate No No Extension possible No No EMC-version No White Colour White White SAL-number 9016 P30 Degree of protection (IP) IP30 No With lock IP30 No	Transparent cover/door		No
Width mm 588 Depth mm 136 Built-in depth mm 127 Internal depth mm 127 Vist Yes With mounting plate No Extension possible No Extension possible No Colour White SAL-number 9016 Degree of protection (IP) IP30 With lock No	Material housing		Steel
Depth mm 136 Built-in depth mm 127 DIN-rail Yes With mounting plate No Extension possible No EMC-version No Colour White BAL-number 9016 Degree of protection (IP) IP30 With lock No	Height	mm	1070
Built-in depth Internal depth Intern	Width	mm	588
internal depth mm 127 DIN-rail Yes With mounting plate No Extension possible No EMC-version No Colour White SAL-number 9016 Degree of protection (IP) IP30 With lock No	Depth	mm	136
DIN-rail Yes With mounting plate No Extension possible No EMC-version No Colour White CAL-number 9016 Degree of protection (IP) IP30 With lock No	Built-in depth	mm	127
No Extension possible No No Extension possible No No Extension possible No No Extension possible No No Extension Mo Extension Mo Extension Mo Colour White RAL-number 9016 Degree of protection (IP) IP30 With lock No	Internal depth	mm	127
Extension possible MC-version Colour MAL-number Degree of protection (IP) With lock No No White 9016 IP30 No No No No No No No No No N	DIN-rail		Yes
EMC-version No Colour White RAL-number 9016 Degree of protection (IP) IP30 With lock No	With mounting plate		No
Colour White RAL-number 9016 Degree of protection (IP) IP30 With lock No	Extension possible		No
AAL-number 9016 Degree of protection (IP) IP30 With lock No	EMC-version		No
Degree of protection (IP) With lock IP30 No	Colour		White
With lock No	RAL-number		9016
	Degree of protection (IP)		IP30
Type of closure Other	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