

Complete surface-mounted flat distribution board, white, 24 SU per row, 4 rows, type C



Part no.	BF-0-4/96-C
Article no.	283032

Delivery program

Basic function			Basic device
Product function			Installation distribution boards
Product range			BF flat DBO
Design			Surface mounted
Installation site			Indoor
Type of installation			Surface mounting
Door/Flap			White
Degree of Protection			IP30
Colour			White
Module rack			Rail-frame
Shroud for protection against accidental contact			Metal
Rows	Count		4
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	PE: 2 x 25 + 43 x 16 N: 2 x 25 + 43 x 16
Equipment supplied			Enclosure Door with three-point turn-lock DIN rail mounting frame Cable gland plate inserts (top) 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) $\label{eq:council}$			conform
Ambient temperature		°C	-5 - +40
Degree of Protection			IP30
Protection class			l (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 for wall mounting	P _V	CO	51
Starting enclosure for wall mounting	P _V	C0	49
Middle enclosure for wall mounting	P _V	CO	47

Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	PV	CO	103
Starting enclosure for wall mounting	PV	CO	98
Middle enclosure for wall mounting	P _V	CO	94
EC/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.

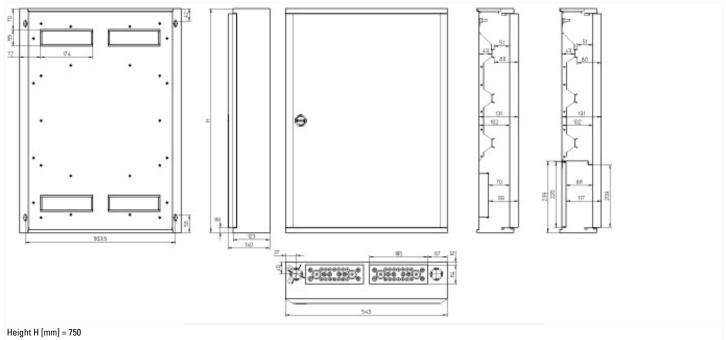
Technical data ETIM 6.0

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])

Number of rowsImage: space of the space of th			
Within number of modular spacingsIIYup of coverDorCover modelCosedTransparen cover/doorNCosedMaterial housingmStalHeightmStalWith CourtmStalDay of the courtmStalBuilt in depthmStalInternal depthmStalNament of patternmStalNament of patternmSta	Mounting method		Surface mounting
Type of cover Dor Cover model Dor Cover model Cosed Transparent cover/door Sed Material housing Mon Height Mon Vidth Mon Depth Mon Built-in depth Mon Internal depth Mon Diversion Mon Mithousing plate Mon Extension possible Mon Colour Mon Montoring plate Mon Colour Mon Colour <td>Number of rows</td> <td></td> <td>4</td>	Number of rows		4
Cover model Cover model Cover model Transparent cover/door No No Material housing Stel Stel Height Man 50 Width Man 54 Depth Man 40 Buil-in depth Man 10 Internal depth Man 13 DN-rail Man Stel With mounting plate Man 10 Extension possible Man 10 Colour Man 10 RAI-number Man 10 But-number Man 10	Width in number of modular spacings		24
Transparent cover/door Image: Ima	Type of cover		Door
Material housing Material housing Material housing Stel Height mm 750 With mm 543 Depth mm 40 Built-in depth mm 40 Internal depth mm 51 Vith mounting plate mm 51 Extension possible mm 50 EAD-revision mm 50 RAL-number mm 50 Bayers mm 51 Baye	Cover model		Closed
Heightmm70Widhmm54Depthmm10Buit-in depthmm10Internal depthmm11DIN-railMm13Kith mounting plateMmNoExtension possibleMmNoRAL-numberMmMiteBut-numberMmMiteBut-numberMmMiteBut-numberMmMiteBut-numberMmMiteBut-numberMiteMiteBut-number <td>Transparent cover/door</td> <td></td> <td>No</td>	Transparent cover/door		No
Widthmm54Depthmm10Buit-in depthmm10Internal depthmm13DN-railMm13With mounting plateMmNoExtension possibleMmNoColourMmNoRAL-numberMmMineDegree of protection (IP)MmSa	Material housing		Steel
Depth mm 40 Buit-in depth mm 40 Internal depth mm 10 DIN-rail mm 13 With mounting plate Mm No Extension possible Mm No Colour Mm No RAL-number Mm No Pagee of protection (IP) Mm No	Height	mm	750
Built-in depthmm140Internal depthmm13DIN-railMmValueWith mounting plateMmValueExtension possibleMmNoEMC-versionMmNoColourMmMinieRAL-numberMmMinieDegree of protection (IP)MmMm	Width	mm	543
Internal depthmm131DIN-railSesSesWith mounting plateSesNoExtension possibleSesNoColourSesNoRAL-numberSesWhiteDegree of protection (IP)SesSes	Depth	mm	140
DIN-railYesWith mounting plateNoExtension possibleNoEMC-versionMoColourMoRAL-numberMiteDegree of protection (IP)Mo	Built-in depth	mm	140
With mounting plateNoExtension possibleNoEMC-versionNoColourMoRAL-numberMoDegree of protection (IP)Image: State of the	Internal depth	mm	131
Extension possibleMoEMC-versionMoColourMoRAL-numberMoDegree of protection (IP)Mo	DIN-rail		Yes
EMC-version No Colour Mite RAL-number Mite Degree of protection (IP) Mite	With mounting plate		No
Colour Mail RAL-number Mail Degree of protection (IP) Mail	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