Surface-mounted installation distribution board with rotary lever, IP55, HxWxD=1060x400x270mm



Part no. BPM-0-400/10-P

116655

EL Number

2460508

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(NUI Way)	
General specifications	
Product name	Eaton xEnergy Basic small distribution board
Part no.	BPM-0-400/10-P
EAN	4015081164004
Product Length/Depth	300 millimetre
Product height	1090 millimetre
Product width	430 millimetre
Product weight	28 kilogram
Compliances	RoHS conform
Product Tradename	xEnergy Basic
Product Type	Small distribution board
Product Sub Type	None
Delivery program	
Туре	Basic device
Application	Moisture-proof (installation site)
Color	Light gray (RAL 7035)
	Gray
Technical Data - Mechanical	
Closure type	Other
Surface finishing	With powder coating
Enclosure material	Steel
Width in number of modular spacings	13
Mounting method	Surface mounted (plaster) Surface mounting
Material	Sheet steel
Degree of protection	IP55
Number of rows	6
Built-in depth	300 mm
Built-in height	1090 mm
Built-in width	430 mm
Internal depth	265 mm
Cover/door model	Closed
Cover/door type	Door Rotary lever Single
Temperature-rise verification as per IEC 60890	
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)	62 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)	125 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	60 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)	69 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	119 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)	139 W
Design verification as per IEC/EN 61439	
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.

10.2.5 Lifting	Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact	IK10
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	IP55
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.
10.9.2 Power-frequency electric strength	Ui = 440 V AC
10.9.3 Impulse withstand voltage	4 kV
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.
dditional information	
Features	EMC-version
Functions	Basic device Extension possible
RAL-number	7035

## **Technical data ETIM 9.0**

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecl@ss13-27-14-24-09 [ACN387016])

Number of rows			
Width in number of modular spacings           13           Type of covering           100 or           Cover model           100 or           Type of door           100 or           Transparent cover/door           100 or           With lock           100 or           With lock           100 or           Type of dosure           100 or           Housing material           100 or           Built-in depth           100 or           Built-in height           100 or           Built-in width           100 or           Sterling terminal block           100 or           Noutel terminal block           100 or           Noutel terminal block           100 or           With mounting plate           100 or           Extension possible           100 or           EVERSION           100 or           EVERSION           100 or           With mounting plate           100 or           EVERSION	Mounting method		Surface mounted
Type of covering         Closad           Cover model         Closad           Type of door         Single           Transparent cover/door         No           Signal passing door         No           With lock         No           Type of closure         Other           Housing material         Steel           Built-in depth         mm         300           Built-in width         mm         430           Built-in width         mm         430           Inner depth         mm         455           Built-in width         mm         450           Neutral terminal block         mm         450           Neutral terminal block         no         No           Neutral terminal block         no         No           Ultrail         No         No           With mounting plate         no         No           Extension possible         yes         No           EMC-version         yes         No           UV resistant         yes         No           Colour         For         No           All-number         no         No           Dogree of protection (IP)         mm <td>Number of rows</td> <td></td> <td>6</td>	Number of rows		6
Cover model         Closed           Type of door         Single           Transparent cover/door         No           Signal passing door         No           With lock         No           Type of closure         Other           Housing material         Steel           Built-in height         Mn         30           Built-in width         mn         430           Built-in width         mm         455           Earthing terminal block         mm         85           Neutral terminal block         No         No           With mounting plate         No         No           Extension possible         Yes         Yes           EMC-version         Yes         Yes           Volversistant         No         No           Colour         Yes         Yes           RAL-number         No         No           Degree of protection (IP)         No         Yes           Height         No         Yes           With mounting plate         Yes         Yes           Extension possible         Yes         Yes           Extension possible         Yes         Yes           The pos	Width in number of modular spacings		13
Type of door	Type of covering		Door
Transparent cover/door           No           Signal passing door         No           With lock         No           Type of closure         Other           Housing material         Steel           Built-in depth         mm         300           Built-in width         mm         1909           Built-in width         mm         400	Cover model		Closed
Signal passing door         Mode           With lock         No           Type of closure         Other           Housing material         Seel           Built-in depth         mm         300           Built-in height         mm         400           Built-in width         mm         400           Inner depth         mm         405           Earthing terminal block         mm         265           Neutral terminal block         mm         40           Virbanounting plate         No         No           Extension possible         yes         No           EMC-version         yes         Yes           UV resistant         No         No           Colour         No         Yes           RAL-number         yes         No           Degree of protection (IP)         No         Yes           Height         No         No           Type         No	Type of door		Single
With lock         Mo           Type of closure         Cher           Housing material         Stel           Built-in depth         M         30           Built-in height         m         190           Built-in width         m         43           Inner depth         m         25           Earthing terminal block         m         25           Neutral terminal block         m         70           Vith mounting plate         m         70           Extension possible         m         72           Extension possible         m         72           EV-version         m         72           UV resistant         m         72           Colour         m         72           RAL-number         m         72           Degree of protection (IP)         m         72           Height         m         72           Width         72         725           Height         m         72           Multiple         100         72           Multiple         100         72           Multiple         100         72           Multiple	Transparent cover/door		No
Type of closure         Housing material         Ither         Other           Built-in depth         mm         300           Built-in height         mm         1090           Built-in width         mm         430           Built-in width         mm         265           Earthing terminal block         mm         265           Neutral terminal block         mm         No           NUI-rail         No         No           With mounting plate         mm         No           Extension possible         yes         Yes           EMC-version         yes         Yes           UV resistant         mm         No           Colour         prey         No           RAL-number         prey         No           Degree of protection (IP)         prey         No           Height         prey         No           Mill plant         prey         No           State plant         prey         N	Signal passing door		No
Housing material         steel           Built-in depth         mm         300           Built-in height         mm         1990           Built-in width         mm         430           Inner depth         pm         265           Earthing terminal block         No         No           Neutral terminal block         No         No           With mounting plate         No         No           Extension possible         Yes         No           EMC-version         Yes         No           UV resistant         No         Yes           Colour         Fery         No           RAL-number         Fery         7035           Degree of protection (IP)         P55           Height         mm         1909           Width         1909         1909	With lock		No
Built-in depth         mm         300           Built-in height         mm         1990           Built-in width         mm         430           Inner depth         mm         265           Earthing terminal block         mm         No           Neutral terminal block         No         No           DIN-rail         No         No           With mounting plate         No         No           Extension possible         Yes         No           EMC-version         Yes         No           UV resistant         No         Yes           Colour         No         Yes           RAL-number         No         Yes           Degree of protection (IP)         No         Yes           Height         No         Yes           Height         No         Yes           Total Section (IP)         No         Yes           Width         No         Yes           Total Section (IP)         No         Yes           Width         No         Yes           Width         Yes         Yes           Yes         Yes         Yes           Yes         Yes	Type of closure		Other
Built-in height         mm         1990           Built-in width         mm         430           Inner depth         mm         265           Earthing terminal block         No         No           Neutral terminal block         No         No           DIN-rail         No         No           With mounting plate         Yes         No           Extension possible         Yes         Yes           EMC-version         Yes         Yes           UV resistant         Yes         Yes           Colour         Forait         Grey           RAL-number         7035         Forait           Degree of protection (IP)         IP55           Height         mm         1990           Width         Mon         430	Housing material		Steel
Built-in width         mm         430           Inner depth         mm         265           Earthing terminal block         No         No           Neutral terminal block         No         No           DIN-rail         No         No           With mounting plate         Yes         No           Extension possible         Yes         Yes           EMC-version         Yes         Yes           UV resistant         No         No           Colour         No         Yes           RAL-number         7035         Fres           Degree of protection (IP)         1955           Height         mm         1900           Width         mm         430	Built-in depth	mm	300
Inner depth         mm         265           Earthing terminal block         No         No           Neutral terminal block         No         No           DIN-rail         No         No           With mounting plate         No         No           Extension possible         Yes         Yes           EMC-version         Yes         No           UV resistant         No         Fee           Colour         No         Fee           RAL-number         7035         Fee           Degree of protection (IP)         IP55           Height         mm         1090           Width         mm         430	Built-in height	mm	1090
Earthing terminal block Neutral terminal block Neutral terminal block DIN-rail With mounting plate Extension possible EMC-version UV resistant Colour RAL-number RAL-number Degree of protection (IP) Height Withtham Witht	Built-in width	mm	430
Neutral terminal block         No           DIN-rail         No           With mounting plate         No           Extension possible         Yes           EMC-version         Yes           UV resistant         No           Colour         Grey           RAL-number         7035           Degree of protection (IP)         IP55           Height         mm         1990           Width         mm         430	Inner depth	mm	265
DIN-rail         No           With mounting plate         No           Extension possible         Yes           EMC-version         Yes           UV resistant         No           Colour         Grey           RAL-number         7035           Degree of protection (IP)         IP55           Height         mm         1090           Width         mm         430	Earthing terminal block		No
With mounting plate Extension possible EMC-version UV resistant Colour RAL-number Degree of protection (IP) Height With mounting plate  No  No  Grey RAL-number PF5  Height With Mounting plate No  No  Grey RAL-number PF5  Hospit With Mounting plate No	Neutral terminal block		No
Extension possibleYesEMC-versionYesUV resistantNoColourGreyRAL-number7035Degree of protection (IP)IP55HeightImmWidthImm430	DIN-rail		No
EMC-versionYesUV resistantNoColourGreyRAL-number7035Degree of protection (IP)IP55HeightmmWidthmm430	With mounting plate		No
UV resistant         No           Colour         Grey           RAL-number         7035           Degree of protection (IP)         IP55           Height         mm         1090           Width         mm         430	Extension possible		Yes
Colour         Grey           RAL-number         7035           Degree of protection (IP)         IP55           Height         mm         1090           Width         mm         430	EMC-version		Yes
RAL-number       7035         Degree of protection (IP)       IP55         Height       mm       1090         Width       mm       430	UV resistant		No
Degree of protection (IP) Height mm 1090 Width mm 430	Colour		Grey
Height mm 1090 Width mm 430	RAL-number		7035
Width mm 430	Degree of protection (IP)		IP55
	Height	mm	1090
Depth mm 300	Width	mm	430
	Depth	mm	300