DATASHEET - BPM-0-400/7-P



Surface-mounted installation distribution board with rotary lever, IP55, HxWxD=760x400x270mm

Powering Business Worldwide*

Part no. BPM-0-400/7-P Catalog No. 116654

EL-Nummer (Norway) 2460507

Delivery program

Mounting type		Surface mounted
Material		Sheet steel
Door interlock		Rotary lever
Installation site		Moisture-proof
Degree of Protection		IP55
Surface finish		With powder coating
Width	mr	mm 400
Depth	mr	mm 270
Height	mr	mm 760
Colour		light gray (RAL 7035)

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 for wall mounting	P_{V}	W	59
Starting enclosure for wall mounting	P_V	W	54
Middle enclosure for wall mounting	P_{V}	W	49
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	W	119
Starting enclosure for wall mounting	P_{V}	W	109
Middle enclosure for wall mounting	P_{V}	W	99
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.
$10.2.3.3\mbox{Verification}$ 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			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 Insulation properties			

10.9.2 Power-frequency electric strength	U _i = 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.

Technical data ETIM 7.0

D	1 (5000000)		1 (50000044)
Distribution	boards (EG000023)	/ Small distribution	hoard (FE:000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (pci@ss10.01-27-14-24-09 [ACN387011])

Number of rows 4 Width in number of modular spacings 13 Type of cover Door Cover model Closed Transparent cover/door No Material housing Steel Height mm 760 Width mm 20 Depth mm 270 Built-in depth mm 25 Internal depth mm 265 DIN-rail No No With mounting plate No No Extension possible Yes No EMC-version No No Colour No No RAL-number 7035 Tous	(ecl@ss10.0.1-27-14-24-09 [ACN387011])		
Width in number of modular spacings 13 Type of cover Door Cover model Closed Transparent cover/door No Material housing Steel Height mm 760 Width Machage mm 270 Built-in depth mm 0 Internal depth mm 265 DIN-rail No No With mounting plate No No Extension possible Yes No EMC-version No No Colour No No RAL-number 7035 No	Mounting method		Surface mounted (plaster)
Type of cover Door Cover model Closed Transparent cover/door No Material housing Steel Height mm 760 Width mm 270 Built-in depth mm 285 Internal depth mm 285 DIN-rail No No Extension possible Yes EMC-version No No Colour Grey RAL-number 7035	Number of rows		4
Cover model Closed Transparent cover/door No Material housing Steel Height mm 760 Width mm 400 Depth mm 270 Built-in depth mm 265 Internal depth no 265 With mounting plate No No Extension possible Yes Yes EMC-version Grey Grey RAL-number 7035 7035	Width in number of modular spacings		13
Transparent cover/door No Material housing Steel Height mm 760 Width mm 400 Depth mm 270 Built-in depth mm 0 Internal depth mm 265 DIN-rail No No With mounting plate Yes Yes Extension possible No Grey EMC-version Grey Grey RAL-number 7035 Total	Type of cover		Door
Material housing Steel Height mm 760 Width mm 400 Depth mm 270 Built-in depth mm 0 Internal depth mm 265 DIN-rail No No With mounting plate Yes No Extension possible Yes No EMC-version O O Colour No Grey RAL-number 7035 Grey	Cover model		Closed
Height mm 760 Width mm 400 Depth mm 270 Built-in depth mm 0 Internal depth mm 265 DIN-rail No Vision With mounting plate Yes Extension possible Yes EMC-version No Colour To Grey RAL-number 7035	Transparent cover/door		No
Width mm 400 Depth mm 270 Built-in depth mm 0 Internal depth mm 265 DIN-rail No No With mounting plate No Yes Extension possible Yes No EMC-version No Grey RAL-number 7035 Grey	Material housing		Steel
Depth mm 270 Built-in depth mm 0 Internal depth mm 265 DIN-rail No No With mounting plate No Yes Extension possible Yes EMC-version No Grey Colour Grey 7035	Height	mm	760
Built-in depth mm 0 Internal depth mm 265 DIN-rail No No With mounting plate No Yes Extension possible Yes No EMC-version No Grey RAL-number 7035 7035	Width	mm	400
Internal depth mm 265 DIN-rail No With mounting plate No Extension possible Yes EMC-version No Colour Grey RAL-number 7035	Depth	mm	270
DIN-rail No With mounting plate No Extension possible Yes EMC-version No Colour Grey RAL-number 7035	Built-in depth	mm	0
With mounting plate Extension possible EMC-version Colour RAL-number No No Colour RAL-number No No Colour RAL-number No No Colour RAL-number No No Colour RAL-number No No Colour RAL-number	Internal depth	mm	265
Extension possible EMC-version Colour RAL-number Yes Yes No Grey 7035	DIN-rail		No
EMC-version No Colour Grey RAL-number 7035	With mounting plate		No
Colour Grey RAL-number 7035	Extension possible		Yes
RAL-number 7035	EMC-version		No
	Colour		Grey
Degree of protection (ID)	RAL-number		7035
Degree of protection (IF)	Degree of protection (IP)		IP55
With lock No	With lock		No
Type of closure Other	Type of closure		Other