

**Surface-mounted installation distribution board with double-bit lock,  
IP55, HxWxD=1060x400x270mm**



**Part no.** BPM-O-400/10  
**Catalog No.** 110839

**EL-Nummer  
(Norway)** 2459471

## Delivery program

Mounting type			Surface mounted
Material			Sheet steel
Door interlock			Double-ward lock
Installation site			Moisture-proof
Degree of Protection			IP55
Surface finish			With powder coating
Width		mm	400
Depth		mm	270
Height		mm	1060
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 <sub>V</sub>	W	54
Starting enclosure for wall mounting	P <sub>V</sub>	W	64
Middle enclosure for wall mounting	P <sub>V</sub>	W	58
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 <sub>V</sub>	W	109
Starting enclosure for wall mounting	P <sub>V</sub>	W	129
Middle enclosure for wall mounting	P <sub>V</sub>	W	117
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 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 Ω; 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> = 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 8.0

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 (ec1@ss10.0.1-27-14-24-09 [ACN387011])		
Mounting method		Surface mounted (plaster)
Number of rows		6
Width in number of modular spacings		13
Type of cover		Door
Cover model		Closed
Transparent cover/door		No
Material housing		Steel
Height	mm	1090
Width	mm	430
Depth	mm	300
Built-in depth	mm	300
Built-in height	mm	1090
Built-in width	mm	430
Internal depth	mm	265
Earthing terminal block		No
Neutral terminal block		No
DIN-rail		No
With mounting plate		No
Extension possible		Yes
EMC-version		Yes
Colour		Grey
RAL-number		7035
Degree of protection (IP)		IP55
With lock		No
Type of closure		Other
Signal passing door		No