



**Surface-mounted installation distribution board with double-bit lock,
IP55, HxWxDHxWxD=460x800x270mm**

Part no. BPM-O-800/4
Catalog No. 111027

EL-Nummer 0002459479
(Norway)

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	800
Depth	mm	270
Height	mm	460
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	68
Starting enclosure for wall mounting	P _V	W	66
Middle enclosure for wall mounting	P _V	W	63
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	137
Starting enclosure for wall mounting	P _V	W	131
Middle enclosure for wall mounting	P _V	W	125
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 _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

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 (ecI@ss10.0.1-27-14-24-09 [ACN387011])			
Mounting method			Surface mounted (plaster)
Number of rows			2
Width in number of modular spacings			35
Type of cover			Door
Cover model			Closed
Transparent cover/door			No
Material housing			Steel
Height		mm	460
Width		mm	800
Depth		mm	270
Built-in depth		mm	0
Internal depth		mm	265
DIN-rail			No
With mounting plate			No
Extension possible			Yes
EMC-version			No
Colour			Grey
RAL-number			7035
Degree of protection (IP)			IP55
With lock			No
Type of closure			Other