

Floor standing distribution board with three-point turn-lock, W = 400 mm,  
H = 2060 mm, D = 300 mm

Part no. BP-F-400/20/3  
Catalog No. 102056

EL-Nummer 2459173  
(Norway)

## Delivery program

Mounting type			Floor standing distribution board
Material			Sheet steel
Door interlock			Three-point turn-lock
Installation site			Indoor
Degree of Protection			IP30
Surface finish			With powder coating
Width		mm	400
Depth		mm	300
Height		mm	2060
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, free-standing	P <sub>V</sub>	W	113
Starting enclosure, free-standing	P <sub>V</sub>	W	103
Middle enclosure, free-standing	P <sub>V</sub>	W	95
Individual enclosure for wall mounting	P <sub>V</sub>	W	101
Starting enclosure for wall mounting	P <sub>V</sub>	W	87
Middle enclosure for wall mounting	P <sub>V</sub>	W	74
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, free-standing	P <sub>V</sub>	W	226
Starting enclosure, free-standing	P <sub>V</sub>	W	206
Middle enclosure, free-standing	P <sub>V</sub>	W	190
Individual enclosure for wall mounting	P <sub>V</sub>	W	202
Starting enclosure for wall mounting	P <sub>V</sub>	W	175
Middle enclosure for wall mounting	P <sub>V</sub>	W	148
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			Met; assembled and secured as per the latest applicable instruction leaflet.
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 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		$U_i = 440 \text{ V AC}$
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

Cabinet enclosures (EG000011) / Enclosure/cabinet (empty) (EC000261)

Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss10.0.1-27-18-01-01 (AGZ056016))

Width	mm	415
Height	mm	2080
Depth	mm	315
Material		Steel
Material quality		Other
Surface finishing		Powder coating
Colour		Grey
RAL-number		7035
Detached		Yes
Floor standing wall model		No
Suitable for wall mounting		No
Corner model		No
Intermediate mounting		No
Connectable		No
With mounting plate		No
Mounting plate depth-adjustable		Yes
Suitable for wall built-in		No
Pole fastening		No
Number of doors		1
Number of locks		1
Suitable for metrical mounting		Yes
Suitable for outdoor set-up		No
Pitched roof		No
EMC-version		Yes
With glazed door		No
With ventilation door		No
With backside door		No
Impact strength		IK08
Degree of protection (IP)		IP30
Degree of protection (NEMA)		Other
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890	W	0
Max. permissible load of the enclosure according to IEC 62208	N	0
Max. permissible load of the door(s) according to IEC 62208	N	0
Max. permissible load of the mounting plate according to IEC 62208	N	0