## **DATASHEET - BP-MN-600/4/1,75**



Standard-compliant "mask" distribution board,  $WxHxD = 573 \times 400 \times 175$ 



Part no. BP-MN-600/4/1,75

Catalog No. 119197

EL-Nummer (Norway) 0002460729

## Design verification as per IEC/EN 61439

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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	$P_{V}$	CO	37
Starting enclosure for wall mounting	$P_V$	CO	36
Middle enclosure for wall mounting	$P_V$	CO	34
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	$P_V$	CO	74
Starting enclosure for wall mounting	$P_V$	CO	71
Middle enclosure for wall mounting	$P_V$	CO	68
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			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 $\Omega;$ 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 <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 7.0**

Cabinet enclosures (EG000011) / Enclosure/switchgear 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	573		
Height	mm	350		
Depth	mm	175		
Material		Steel		
Material quality		Other		

Colour         Grey           AL number         7035           AL number of Index         No           Mounting plate depth-adjustable         No           Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Pole fastening         No           Floor fastening         No           Floor for for outdoor set-up         No           Pole for outdoor set-up         No           Picked roof         No           Mill plazed door         No           Mill plazed door         No           Mill plazed door         No           Mill plazed door         No           Mill backside door         No           mill plazed door         No           Mill backside door         No           mill plazed for outdoor set-up         No           Mill plazed door         No           Mill plazed door         No           Mill plazed door         No           Mill backside door         No           mpact strength         No           Mill plazed tool         No           Mill plazed tool         No           Mi		
AL - number         7035           With mounting plate         7035           Mounting plate depth-adjustable         7035           Number of locks         903           Hour installation possible         7035           Wall fastening possible         704           Wall build in         704           Pole fastening         705           Fackable         705           Number of doors         904           Suitable for metrical mounting         705           Policed roof         705           Policed roof         705           EMC-version         706           With plazed door         706           With vertilation door         706           With backside door         706           mpact strength         706           James tstrength         706           James tstrength         707           James tst	Surface finishing	Powder coating
With mounting plate With mounting plate depth-adjustable Windunting plate depth-adjustable Windunting plate depth-adjustable Windunting plate depth-adjustable Windunting possible Windunt	Colour	Grey
Nounting plate depth-adjustable Number of locks Nord Pole installation possible Null fastening No Pole fastening No No Notable for metrical mounting Null fastening No	RAL-number	7035
Number of locks         0           Cloor installation possible         Yes           Nall fastening possible         No           Nall build in         No           Pole fastening         No           Fackable         Yes           Number of doors         0           Suitable for metrical mounting         No           Pitched roof         No	With mounting plate	No
Floor installation possible  Nall fastening possible  Nall fastening possible  No  No  Pole fastening  No  Fackable  No  Suitable for metrical mounting  Suitable for outdoor set-up  Pitched roof  EMC-version  No  No  Mith glazed door  No  No  No  No  Mith yentilation door  No  No  No  No  No  No  Mith ventilation door  No  No  No  No  No  No  No  No  No	Mounting plate depth-adjustable	No
Wall fastening possible         No           Wall build in         No           Pole fastening         No           Fackable         Yes           Number of doors         O           Suitable for metrical mounting         No           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         No           With glazed door         No           With ventilation door         No           With backside door         No           In pact strength         K08           Useree of protection (IP)         IF30	Number of locks	0
Nall build in No Pole fastening No No Fackable Yes Number of doors Outdoor set-up No	Floor installation possible	Yes
Pole fastening Fackable  Number of doors  Number of doors  Suitable for metrical mounting Suitable for outdoor set-up  No Pitched roof  MC-version  No  With glazed door  With ventilation door  With ventilation door  With backside door  mpact strength  Degree of protection (IP)  No  No  No  No  No  No  No  No  No  N	Wall fastening possible	No
Fackable Number of doors Number of doors Suitable for metrical mounting No Suitable for outdoor set-up No Pitched roof MoC-version No With glazed door No With ventilation door No With ventilation door No mpact strength Degree of protection (IP) No Ves No Ves No Ves No Ves No	Wall build in	No
Number of doors Suitable for metrical mounting Suitable for outdoor set-up Pitched roof MC-version No With glazed door With ventilation door With backside door mpact strength Degree of protection (IP)  O  O  O  O  O  O  O  O  O  O  O  O  O	Pole fastening	No
Suitable for metrical mounting Suitable for outdoor set-up No Pitched roof MC-version No With glazed door With ventilation door With backside door mpact strength Degree of protection (IP) No	Tackable	Yes
Suitable for outdoor set-up Pitched roof MC-version No With glazed door With ventilation door With backside door Monates strength Degree of protection (IP) No	Number of doors	0
Pitched roof EMC-version No With glazed door With ventilation door With backside door Month backside door	Suitable for metrical mounting	No
MC-version No  With glazed door No  With ventilation door No  With backside door No  mpact strength K08  Degree of protection (IP) IP30	Suitable for outdoor set-up	No
Nith glazed doorNoNith ventilation doorNoNith backside doorNompact strengthIK08Degree of protection (IP)IP30	Pitched roof	No
With ventilation door     No       With backside door     No       mpact strength     IK08       Degree of protection (IP)     IP30	EMC-version	No
Nith backside door No mpact strength IK08 Degree of protection (IP) IP30	With glazed door	No
mpact strength IK08 Degree of protection (IP) IP30	With ventilation door	No
Degree of protection (IP)	With backside door	No
	Impact strength	IK08
Degree of protection (NEMA) -	Degree of protection (IP)	IP30
	Degree of protection (NEMA)	-