

Floor standing distribution board, flexible surface mounting,  $W=600\ mm$ ,  $H=2060\ mm$ ,  $D=250\ mm$ 

Powering Business Worldwide

Part no. BP-F-600/20/2,5-F Article no. 120755

## **Delivery programme**

Mounting type		Floor standing distribution board
Width	mm	600
Height	mm	2060
Installation site		Indoor
Degree of Protection		IP30

## Design verification as per IEC/EN 61439

Design vermeation as per 120/214 01705			
Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890			
Individual enclosure, free-standing	$P_{V}$	CO	158
Starting enclosure, free-standing	$P_{V}$	CO	144
Middle enclosure, free-standing	$P_{V}$	CO	132
Individual enclosure for wall mounting	$P_{V}$	CO	127
Starting enclosure for wall mounting	$P_{V}$	CO	119
Middle enclosure for wall mounting	$P_{V}$	CO	112
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure, free-standing	$P_{V}$	CO	317
Starting enclosure, free-standing	$P_{V}$	CO	288
Middle enclosure, free-standing	$P_{V}$	CO	265
Individual enclosure for wall mounting	$P_V$	CO	255
Starting enclosure for wall mounting	$P_{V}$	CO	238
Middle enclosure for wall mounting	$P_{V}$	CO	225
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 $\Omega;$ 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 6.0**

Electric anjinering, automation, process control engineering / Electrical cabinet, bousing, rack / Electrical cabinet (lect@ss8.1-27-18-01-01 [AG2056013])           Width         mm         60           Beight         mm         2080           Depth         Steel         Steel           Material         With powder coating         With powder coating           Colour         Grey         Grey           RAL-number         7035         Steel           With mounting plate         90         90           Mounting plate depth-adjustable         90         90           Wall fastening possible         90         90           Wall fastening possible         90         90           Wall fastening for outdoor set-up         90         90           Number of doors         90         90           Suitable for metrical mounting         90         90           Suitable for outdoor set-up         90         90           Pifiched roof         90         90           GU-Cyersion         90         90           Impact strongth         90         90           Unity and placed door         90         90           With posted face of protection (IP)         90         90						
With         mm         600           Height         mm         2080           Depth         mm         250           Material         Steel         Steel           Type of surface         With powdar coating           Colour         Grey           RAL-number         7035           With mounting plate         No           Mounting plate depth-adjustable         Yes           Number of locks         O           Floor insallation possible         Yes           Wall fastening possible         No           Wall fastening of doors         No           Pole fastening         Yes           Number of doors         No           Suitable for metrical mounting         Yes           Suitable for metrical mounting         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         Yes           Pifched roof         Yes           MC-version         Yes           Impact strength         Yes           Impact strength         Yes           With packed door         Yes           With post door         Yes           With post depth - adjustable         Yes	Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)					
Height         mm         2060           Depth         mm         20           Material         Steel           Type of surface         With powder coating           Colour         Grey           RAL-number         7035           With mounting plate         Yes           Mounting plate depth-adjustable         Yes           Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Wall fastening foorside         Yes           Wall build in         No           Pole fastening         Yes           Suitable for metrical mounting         Yes           EMC-version         Yes           Impact strength         Yes           Impact strength         Yes           Impact strength         Yes           With post strength	Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss8.1-27-18-01-01 [AGZ056013])					
Depth         mm         250           Material         Sele           Type of surface         With powder coating           Colour         Grey           RAL-number         7035           With mounting plate         70         70           Munding plate depth-adjustable         70         70           Number of locks         70         70           Floor installation possible         70         70           Wall fastening possible         70         70           Wall build in         70         70           Pole fastening         70         70           Suitable for metrical mounting         70         70           Suitable for metrical mounting         70         70           Suitable for outdoor set-up         70         70           Pitched roof         70         70           EMC-version         70         70           Impact strength	Width	mm	600			
Material         Steel           Type of surface         With powder coating           Colour         Grey           RAL-number         7035           With mounting plate         No           Mounting plate depth-adjustable         Yes           Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Wall fastening possible         No           Vall fastening         No           Pole fastening         No           Suitable for metrical mounting         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         Yes           Impact strength         Kor           Degree of protection (IP)         If No           With patlaged door         No           With patlaged door         No	Height	mm	2060			
Type of surface         With powder coating           Colour         Grey           RAL-number         7035           With mounting plate         No           Mounting plate depth-adjustable         Yes           Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Wall build in         No           Pole fastening         No           Tackable         Yes           Number of doors         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         Yes           Impact strength         No           Degree of protection (IP)         K07           With yettilation door         No	Depth	mm	250			
Colour         Grey           RAL-number         7035           With mounting plate         No           Mounting plate depth-adjustable         Yes           Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Vall build in         No           Pole fastening         No           Tackable         Yes           Number of doors         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         Yes           Impact strength         No           Degree of protection (IP)         IKO7           With yet lidated door         No           With yet lidated door         No	Material		Steel			
RAL-number         7035           With mounting plate         No           Mounting plate depth-adjustable         Yes           Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Wall build in         No           Pole fastening         No           Tackable         Yes           Number of doors         Yes           Suitable for metrical mounting         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         Yes           Impact strength         KK07           Degree of protection (IP)         Iko7           With glazed door         No           With yestilation door         No	Type of surface		With powder coating			
With mounting plate         No           Mounting plate depth-adjustable         Yes           Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Wall build in         No           Pole fastening         No           Tackable         Yes           Number of doors         0           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         Yes           Impact strength         KK07           Degree of protection (IP)         IP30           With yestilation door         No           With yestilation door         No	Colour		Grey			
Mounting plate depth-adjustableYesNumber of locks0Floor installation possibleYesWall fastening possibleNoWall build inNoPole fasteningNoTackableYesNumber of doors0Suitable for metrical mountingYesSuitable for outdoor set-upNoPitched roofNoEMC-versionYesImpact strengthIK07Degree of protection (IP)IP30With glazed doorNoWith ventilation doorNo	RAL-number		7035			
Number of locks         0           Floor installation possible         Yes           Wall fastening possible         No           Wall build in         No           Pole fastening         No           Tackable         Yes           Number of doors         0           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         Yes           Impact strength         K07           Degree of protection (IP)         IN07           With glazed door         No           With ventilation door         No	With mounting plate		No			
Floor installation possible  Wall fastening possible  Wall build in  Pole fastening  Tackable  Number of doors  Suitable for metrical mounting  Suitable for outdoor set-up  Pitched roof  EMC-version  EMC-version  Impact strength  Degree of protection (IP)  With glazed door  With ventilation door	Mounting plate depth-adjustable		Yes			
Wall fastening possibleNoWall build inNoPole fasteningNoTackableYesNumber of doors0Suitable for metrical mountingYesSuitable for outdoor set-upNoPitched roofNoEMC-versionYesImpact strengthIK07Degree of protection (IP)IP30With glazed doorNoWith ventilation doorNo	Number of locks		0			
Wall build in         No           Pole fastening         No           Tackable         Yes           Number of doors         0           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         Yes           Impact strength         KK07           Degree of protection (IP)         IP30           With glazed door         No           With ventilation door         No	Floor installation possible		Yes			
Pole fastening Tackable Number of doors Number of doors Suitable for metrical mounting Suitable for outdoor set-up Pitched roof EMC-version Impact strength Degree of protection (IP) With glazed door With ventilation door	Wall fastening possible		No			
Tackable Number of doors Outlable for metrical mounting Suitable for outdoor set-up No Pitched roof EMC-version Impact strength Degree of protection (IP) With glazed door With ventilation door	Wall build in		No			
Number of doors Suitable for metrical mounting Suitable for outdoor set-up No Pitched roof EMC-version Impact strength Degree of protection (IP) With yentilation door  No  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 EMC-version Impact strength Degree of protection (IP) With yentilation door  Yes Interversion INTERVENCE INTERVE	Tackable		Yes			
Suitable for outdoor set-up Pitched roof Pitched roof PMC-version PMC-version Pegree of protection (IP) Putch door With ventilation door  No	Number of doors		0			
Pitched roofNoEMC-versionYesImpact strengthIK07Degree of protection (IP)IP30With glazed doorNoWith ventilation doorNo	Suitable for metrical mounting		Yes			
EMC-version Yes Impact strength IK07 Degree of protection (IP) IP30 With glazed door No With ventilation door No	Suitable for outdoor set-up		No			
Impact strength  Degree of protection (IP)  With glazed door  With ventilation door  IK07  IP30  No  No	Pitched roof		No			
Degree of protection (IP)  With glazed door  With ventilation door  No	EMC-version		Yes			
With glazed door No With ventilation door No	Impact strength		IK07			
With ventilation door No	Degree of protection (IP)		IP30			
	With glazed door		No			
With backside door No	With ventilation door		No			
	With backside door		No			