DATASHEET - BP-0-600/12-IVS



Surface mounted service distribution board

BP-0-600/12-IVS Part no. Catalog No. 111358



Delivery program

Wall-mounting distribution system Complete unit Complete housing Profi Plus basic enclosures Module design, can be dismantled completely Exchangeable door hinges Alaterial Sheet steel Sheet steel Polyester powder coating Phosphated RAL 7035, light grey Colour Including base frame, side panels, bottom/top panels and door Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket including insulating surround and mounted insulated support bracket including cable entry at top, with push-through flange Width mm 600			
Complete housing Degree of Protection Description Desc	Product range		Service distribution board IVS
Profi Plus basic enclosures Module design, can be dismantled completely Exchangeable door hinges Material Sheet steel Polyester powder coating Phosphated RAL 7035, light grey Ight gray (RAL 7035) Including base frame, side panels, bottom/top panels and door Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry at top, with push-through flange Vidth Imm 600 Itel Itel Itel Itel Itel Itel Itel Ite	Basic function		Wall-mounting distribution system
Profi Plus basic enclosures Module design, can be dismantled completely Exchangeable door hinges Material Sheet steel Polyester powder coating Phosphated RAL 7035, light grey Ight gray (RAL 7035) Including base frame, side panels, bottom/top panels and door Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry at top, with push-through flange Width mm 600 Reight 1260	Single unit/Complete unit		Complete housing
Module design, can be dismantled completely Exchangeable door hinges Material Sheet steel Polyester powder coating Phosphated RAL 7035, light grey Folour Information about equipment supplied Information about equipment supplied Including support frame for the IVS mounting units including support frame for the IVS mounting units including suple entry at top, with push-through flange Width Including to solve entry at top, with push-through flange Module design, can be dismantled completely Exchangeable door hinges Polyester powder coating Phosphated RAL 7035, light grey Including support frame for the IVS mounting units including support frame for the IVS mounting units including cable entry at top, with push-through flange Width Including to solve entry at top, with push-through flange Width Including to solve entry at top, with push-through flange Width Including to solve entry at top, with push-through flange Including to solve entry at top, with push-through flange	Degree of Protection		IP30 (only with door)
Polyester powder coating Phosphated RAL 7035, light grey Colour light gray (RAL 7035) Information about equipment supplied lincluding base frame, side panels, bottom/top panels and door Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry at top, with push-through flange Vidth mm 600 Ideight 1260	Description		Module design, can be dismantled completely
Phosphated RAL 7035, light grey Foliour light gray (RAL 7035) Information about equipment supplied including base frame, side panels, bottom/top panels and door Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry at top, with push-through flange Vidth mm 600 Reight mm 1260	Material		Sheet steel
including base frame, side panels, bottom/top panels and door Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry at top, with push-through flange Vidth mm 600 leight 1260	Surface finish		Phosphated
Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry at top, with push-through flange Vidth mm 600 leight mm 1260	Colour		light gray (RAL 7035)
leight mm 1260	Information about equipment supplied		Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket
	Width	mm	600
Depth mm 262	Height	mm	1260
	Depth	mm	262

Technical data

General Standards

Protection class		1
Degree of Protection		IP30 (only with door)
Power loss		
Max. admissible heat dissipation, ambient air temperature +35 $^{\circ}\text{C}$	W	170
Weight	kg	33.6
Material characteristics		
Material		Sheet steel
Surface treatment		Painting, phosphated and polyester powder coating
Surface finish		Polyester powder coating Phosphated RAL 7035, light grey
Colour		light gray (RAL 7035)
Material characteristics		
Type Door		Doors with covered hinges Can be removed from 90°
door opening angle		167° (single mounting) 60° (combination mounting)
Door interlock		Hinge handle with three-point turn-lock Cylinder lock
Material properties		

EN 60439-1/3 IEC 62208

Material	properties
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Mechanical			
Impact resistance			IK07
Cable entry			Various covers allow cable entry from above and/or below
Electrical			
Rated operational voltage	U _e	V	690
Rated frequency	f	Hz	50
Rated operational current	le	Α	630
Max. admissible heat dissipation, ambient air temperature +35 $^{\circ}\text{C}$		W	170

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	80
Starting enclosure for wall mounting	P_{V}	CO	75
Middle enclosure for wall mounting	P_{V}	CO	71
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	161
Starting enclosure for wall mounting	P_V	CO	151
Middle enclosure for wall mounting	P _V	CO	143
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 _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.