

EWP wall-mount enclosure for EP standard mounting units, IP54, protection class 2, RAL9016, without EP modules, HxWxB=950x550x225mm



Part no. EWP-05092 Article no. 174678 Catalog No. EWP-05092

## **Design verification as per IEC/EN 61439**

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890  Individual enclosure for wall mounting  Pv  C0  68  Middle enclosure for wall mounting  Pv  C0  64  Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890  Individual enclosure for wall mounting  Pv  C0  115  Starting enclosure for wall mounting  Pv  C0  128	Design verification as per IEG/EN 61439			
Individual enclosure for wall mounting  Alter of dissipation, at an ambient temperature of 35°C, dolta Ti 35 degrees, escalculared as per IEC 60890  Individual enclosure for wall mounting  Alter of dissipation, at an ambient temperature of 35°C, dolta Ti 35 degrees, escalculared as per IEC 60890  Individual enclosure for wall mounting  Alter of dissipation, at an ambient temperature of 35°C, dolta Ti 35 degrees, escalculared as per IEC 60890  Individual enclosure for wall mounting  Alter of dissipation, at an ambient temperature of 35°C, dolta Ti 35 degrees, escalculared as per IEC 60890  Individual enclosure for wall mounting  Alter of dissipation, at an ambient temperature of 35°C, dolta Ti 35 degrees, escalculared as per IEC 60890  Individual enclosure for wall mounting  Alter of dissipation, at an ambient temperature of 35°C, dolta Ti 35 degrees, escalculared as per IEC 60890  Individual enclosure for wall mounting  Alter of dissipation of the wall mounting  Alter of the company of the wall mounting  Alter of the wall	Technical data for design verification			
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Middle enclosure for wall mounting Heat dissipation, at an ambient temperature of 35°C, delta 1: 35 degrees, calculated as per 1EC 68890 Individual enclosure for wall mounting Py CO 377 Middle enclosure for wall mounting Middle enclosure for wall mounting Middle enclosure for wall mounting Py CO 387 Middle enclosure for wall mounting Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Most relevant to indoor installations. Does not apply to enclosures without lifting aids. Most report to indoor installations. Most the product standard's requirements. Most report to indoor installations. Most the product standard's requirements. Most report to indoor installations. Most report to indoor installations. Most report to i	Individual enclosure for wall mounting	$P_{V}$	CO	57
Heat dissipation, at an ambient temperature of 35°C, delta 1: 35 degrees, calculated as per IEC 60890  Individual enclosure for wall mounting P <sub>V</sub> CO 137  Middle enclosure for wall mounting P <sub>V</sub> CO 138  ECEN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corresion resistance  10.2.3 I Verification of thermal stability of enclosures  10.2.3 I Verification of resistance of insulating materials to normal heat and fire due to internal electric effects  10.2.3 I Verification of resistance of insulating materials to sbnormal heat and fire due to internal electric effects  10.2.5 Expense of protection of ASSEMBLIES  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.8 Incorporation of switching devices and components  10.9 Installation properties  10.9 Prove-frequency electric strength  10.9 Insulation properties  10.9 Insulation pr	Starting enclosure for wall mounting	$P_{V}$	CO	68
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Middle enclosure for wall mounting  Py CO  128  EC/EN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corrosion resistance  10.2.3 I Verification of thermal stability of enclosures  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Strength of thermal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Litting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.5 Protection against electric shock  10.5 Insurant electrical circuits and connections  10.5 Insurant electrical circuits and connections  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Insurant or external conductors  10.9 Insurant or external conductors  10.9 Insurant electrical circuits and connections  10.9 Insurant electric aligned en insurant electric shock  10.9 Insurant electrical circuits and connections  10.9 Insurant electric aligned en insurant electric strength  10.9 Insurant electric aligned en insurant electric effects  10.9 Power-frequency electric strength  10.9 Does not apply to metal enclosures.  10.9 Expression data for the devices.	Individual enclosure for wall mounting	$P_{V}$	CO	115
ECEN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects  10.2.3.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.2.4. Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.2.7 Inscriptions  10.2.8 Mechanical impact  10.3. Degree of protection of ASSEMBLIES  10.4. Protection against electric shock  10.5. Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.9.2 Power-frequency electric strength  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Tomperature rise  10.10 Tomperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.15 Lectromagnetic compatibility  10.16 Lectroprosposibility  10.17 Internal electrical circuits and connections  10.18 Incorporation of external conductors  10.19 Insulation properties  10.19 Insulation properti	Starting enclosure for wall mounting	$P_{V}$	CO	137
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10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  Does not apply to enclosures without lifting aids.  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.15 Let panel builder's responsibility.  10.16 Let panel builder is responsibility.  10.17 Internal electric account of switching devices and components  10.18 Let panel builder is responsibility.  10.19 Insulation properties  10.10 Temperature rise  The panel builder is responsibility.  10.10 Temperature rise  The panel builder is responsibility.  10.11 Short-circuit rating  Let the panel builder's responsibility.  10.12 Electromagnetic compatibility  Let the panel builder's responsibility.	10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  Does not apply to enclosures without lifting aids.  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  Protection against electric shock  Protection of switching devices and components  10.6 Incorporation of switching devices and components  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.2 Power-frequency electric strength  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.10 Temperature rise  The panel builder's responsibility.  11.1 Short-circuit rating  11.11 Short-circuit rating  12.12 Electromagnetic compatibility  13.14 Lepanel builder's responsibility.  14.15 Lepanel builder's responsibility.  15.16 Lepanel builder's responsibility.  16.17 Internal electric and connections  17.18 Lepanel builder's responsibility.  18.19 Lepanel builder's responsibility.  19.24 Lepanel builder's responsibility.  10.19 Insulation properties  10.10 Temperature rise  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Lepanel builder's responsibility.	10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
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10.2.7 Inscriptions  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.15 Heroal builder's responsibility.  10.16 Incorporation of switching devices and components  10.17 Internal electrical circuits and connections  10.18 the panel builder's responsibility.  10.19 Insulation properties  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.14 Electromagnetic compatibility.	10.2.5 Lifting			Does not apply to enclosures without lifting aids.
10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder is responsibility.	10.2.6 Mechanical impact			IK09
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10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Protection class 2, therefore not applicable.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility.	10.3 Degree of protection of ASSEMBLIES			IP54
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10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.	10.5 Protection against electric shock			Protection class 2, therefore not applicable.
10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  Is the panel builder's responsibility.	10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
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10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  3 kV  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  U <sub>i</sub> = 400 V AC  3 kV  Does not apply to metal enclosures.  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.	10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  3 kV  Does not apply to metal enclosures.  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.	10.9 Insulation properties			
10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  Does not apply to metal enclosures.  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.	10.9.2 Power-frequency electric strength			U <sub>i</sub> = 400 V AC
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.	10.9.3 Impulse withstand voltage			3 kV
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.	10.9.4 Testing of enclosures made of insulating material			Does not apply to metal enclosures.
10.12 Electromagnetic compatibility  Is the panel builder's responsibility.	10.10 Temperature rise			
	10.11 Short-circuit rating			Is the panel builder's responsibility.
10.13 Mechanical function Meets the product standard's requirements.	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**

Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)					
Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss8.1-27-18-01-01 [AGZ056013])					
Width		mm	550		
Height		mm	950		
Depth		mm	225		
Material			Steel		
Type of surface			With powder coating		
Colour			White		

RAL-number	9016
With mounting plate	No
Mounting plate depth-adjustable	No
Number of locks	1
Floor installation possible	No
Wall fastening possible	Yes
Wall build in	Yes
Pole fastening	No
Tackable	Yes
Number of doors	1
Suitable for metrical mounting	Yes
Suitable for outdoor set-up	No
Pitched roof	No
EMC-version	Yes
Impact strength	IK09
Degree of protection (IP)	IP54
With glazed door	No
With ventilation door	No
With backside door	No



