

EWK wall-mount enclosure with standard mounting units, 144 SU, IP43, IK09, protection class 2, RAL9016, HxWxB=950x550x160mm



Part no. EWK-05091 Article no. 174664 Catalog No. EWK-05091

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Basic function			Basic device
Product function			Installation distribution boards
Product range			EWK DBO
Design			Surface mounted
Installation site			Indoor
Type of installation			Surface mounting
Door/Flap			White
Degree of Protection			IP43
Colour			White
Module rack			Rail-frame
Shroud for protection against accidental contact			Plastic
Rows	Count		6
Module units per row			24
Description			IP43 Protection Class II Steel sheet enclosure white (RAL 9016)
Cable entries			Cable entries on top and bottom, back plate
PE and N terminals design			Plug-in terminals
PE and N terminals	Number x cross- sectional area	mm ²	PE: 2 x 6 x (1.5 - 16) N: 2 x 21 x (0.75 - 4)
Equipment supplied			Enclosure Installation panel for modular installation devices Neutral-/protective conductor terminal Locking screws can be sealed Two-component membrane gland plate insert

Technical data

General

Standards			EN 61439-3
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council)			conform
Ambient temperature		°C	-5 - +40
Degree of Protection			IP43
Protection class			II (totally insulated)
Rated operational voltage	Ue	V AC	400
Rated frequency	f	Hz	50
Material characteristics			
Material			Sheet steel, powder-coated Polystyren (plastic)
Colour			white (RAL 9016)
Material properties			
Mechanical			
Impact resistance			IK09

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, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	CO	64

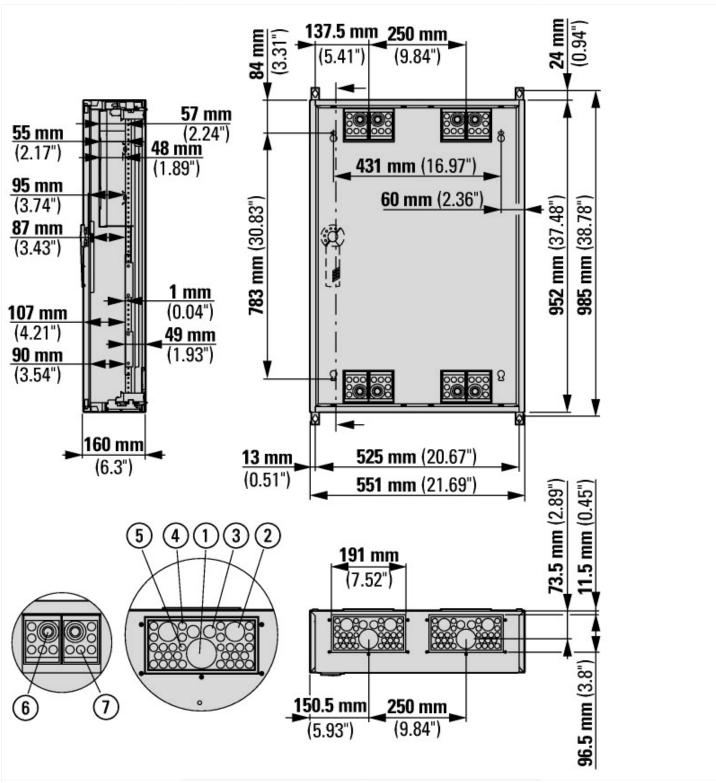
Starting enclosure for wall mounting	P_V	CO	61
Middle enclosure for wall mounting	P_{V}	CO	58
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	CO	129
Starting enclosure for wall mounting	P_{V}	CO	123
Middle enclosure for wall mounting	P_{V}	CO	116
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			750 °C; 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			IK09
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			IP43
10.4 Clearances and creepage distances			Is the panel builder's responsibility.
10.5 Protection against electric shock			Protection class 2, therefore not applicable.
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 = 400 V AC
10.9.3 Impulse withstand voltage			3 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 engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss8.1-27-18-01-01 [AG2056013]) Width mm 55 Beight mm 160 Depth mm 160 Material Steel Type of surface With powder coating Colour White White RAL-number 9016 No Wounding plate depth-adjustable No No Number of locks 1 No Floor installation possible Yes Yes Wall fastening possible Yes No Wall build in Yes Yes Pole fastening Yes Yes Number of doors Yes Yes Number of doors Yes Yes Suitable for metrical mounting Yes Yes Suitable for outdoor set-up Yes Yes	Technical data ETIM 6.0			
Width nm 550 Height nm 950 Depth nm 160 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 full in Yes Pole fastening No Stackable Yes Number of doors 1 Suitable for metrical mounting Yes Suitable for outdoor set-up No	Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)			
Height mm 950 Depth mm 160 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 Sutable for outdoor set-up Yes Suitable for metrical mounting Yes Suitable for outdoor set-up Yes	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 160 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 1 Suitable for outdoor set-up No No No No <t< td=""><td>Width</td><td>mm</td><td>550</td></t<>	Width	mm	550	
Material Type of surface Colour White Multe ARL-number With mounting plate With mounting plate depth-adjustable No Nounting plate depth-adjustable No No Wall fastening possible Wall fastening possible Wall fastening possible Wall build in Yes No Tackable No Suitable for metrical mounting Suitable for outdoor set-up No Wall for with powder coating Whith powder coating White White White No No No Suitable for outdoor set-up No No Wall powder coating White White Who powder coating White White Who powder coating White White Who powder coating White Who powder coating Who powder coating White Who powder coating White Who powder coating White Who powder coating Who powder coating Who powder coating White Who powder coating White No No Suitable for outdoor set-up No No No No No No No No No N	Height	mm	950	
Type of surface Colour KAL-number With mounting plate With mounting plate depth-adjustable Nounting plate depth-adjustable Nou	Depth	mm	160	
Colour RAL-number RAL-number With mounting plate With mounting plate depth-adjustable No No Number of locks 1 Floor installation possible Wall fastening possible Yes Wall build in Pole fastening Pole fastening Tackable No Tackable No Suitable for metrical mounting Suitable for outdoor set-up White White White White Both No	Material		Steel	
RAL-number With mounting plate With mounting plate depth-adjustable No Number of locks I Floor installation possible Wall fastening possible Wall fastening possible Ves Wall build in Pole fastening No Tackable No No Suitable for metrical mounting Suitable for outdoor set-up 9016 No	Type of surface		With powder coating	
With mounting plate Mounting plate depth-adjustable No Number of locks 1 Floor installation possible Wall fastening possible Wall fastening possible Wall build in Pole fastening Floor installation possible Wall build in Yes Pole fastening Suitable for metrical mounting Suitable for outdoor set-up No	Colour		White	
Mounting plate depth-adjustable No Number of locks 1 Floor installation possible No Wall fastening possible Wall fastening possible Wall fastening ossible Wall for metrical mounting Suitable for outdoor set-up No	RAL-number		9016	
Number of locks Floor installation possible Wall fastening possible Wall build in Pole fastening No Tackable Number of doors Number of doors Suitable for netrical mounting Suitable for outdoor set-up 1 1 1 1 1 1 1 1 1 1 1 1 1	With mounting plate		No	
Floor installation possible Wall fastening possible Wall build in Yes Pole fastening No Tackable Number of doors Suitable for outdoor set-up No No No No No No No No No N	Mounting plate depth-adjustable		No	
Wall fastening possible Wall build in Yes Pole fastening No Tackable Number of doors Suitable for metrical mounting Suitable for outdoor set-up Yes No Yes No No No No No No No	Number of locks		1	
Wall build inYesPole fasteningNoTackableYesNumber of doors1Suitable for metrical mountingYesSuitable for outdoor set-upNo	Floor installation possible		No	
Pole fastening No Tackable Yes Number of doors 1 Suitable for metrical mounting Yes Suitable for outdoor set-up No	Wall fastening possible		Yes	
Tackable Yes Number of doors 1 Suitable for metrical mounting Yes Suitable for outdoor set-up No	Wall build in		Yes	
Number of doors 1 Suitable for metrical mounting Yes Suitable for outdoor set-up No	Pole fastening		No	
Suitable for metrical mounting Yes Suitable for outdoor set-up No	Tackable		Yes	
Suitable for outdoor set-up No	Number of doors		1	
	Suitable for metrical mounting		Yes	
Pitched roof No	Suitable for outdoor set-up		No	
	Pitched roof		No	

EMC-version	Yes
Impact strength	IK09
Degree of protection (IP)	IP43
With glazed door	No
With ventilation door	No
With backside door	No

Dimensions



- \bigcirc 1 x \bigcirc 5 74 mm
- 2 2 x Ø 5 29 mm
- $3_{2x} \mathcal{O}_{5-18 \,\mathrm{mm}}$
- $\textcircled{4}_{28\,x} \not \! \mathcal{D}_{5\,\text{-}\,11\,\text{mm}}$
- $(5)_{2x} \mathcal{O}_{5-9 \, \text{mm}}$
- 6 _{2 x} Ø _{16/21/29/38 mm}



Additional product information (links)

IL014004Z EWK enclosures for DIN rail-mounted devices		
IL014004Z EWK enclosures for DIN rail- mounted devices	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL014004ZU2014_04.pdf	
Product overview (Web)	http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm	