

EWK wall-mount enclosure with standard mounting units, 144 SU, IP43, IK09, protection class 2, RAL9016, HxWxB=500x1050x160mm



Part no. EWK-10051 Article no. 174654 Catalog No. EWK-10051

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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		3
Module units per row			48
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: 4 x 6 x (1.5 - 16) N: 4 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	74
Starting enclosure for wall mounting	P_{V}	CO	72
Middle enclosure for wall mounting	P_{V}	CO	71

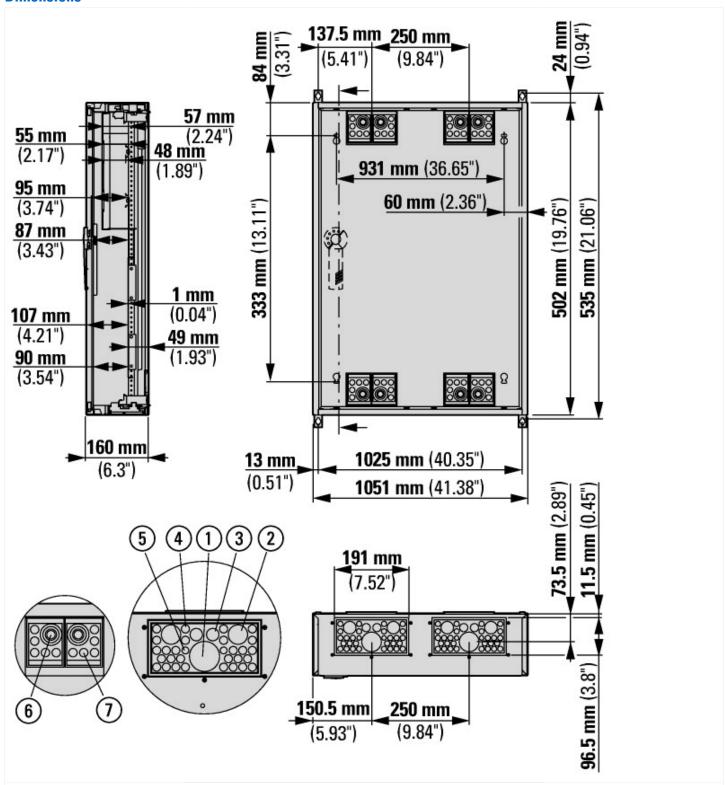
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	CO	149
Starting enclosure for wall mounting	P_{V}	CO	145
Middle enclosure for wall mounting	P_{V}	CO	141
IEC/EN 61439 design verification			
10.2 Strength 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			$U_i = 400 \text{ V AC}$
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

Interior engineering, automation, process control engineering / Electrical cabinet (busing, rack / Electrical cabinet (empty) / Electrical cabinet (ed@ss8.1-27-18-01-01 (AG2056013)) Vidth	Technical data Ethii 0.0		
Virith mm 1050 leight mm 500 Atterial mm 160 Atterial Steel Virith powder coating Volume White White AL-number White 9016 Volume Mo 9016 Volume No	Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)		
leight mm 500 daterial mm 160 staterial stel With powder coating year of surface White White clour White 9016 AL-number Poly No doubting plate depth-adjustable No No dour installation possible Poly No Vall fastening possible Yes Yes Vall fastening Yes No Jumber of doors Yes Yes Jumber of doors Y	Electric engineering, automation, process control engineering / Electrical cabinet, hous	sing, rack / Electrical	cabinet (empty) / Electrical cabinet (ecl@ss8.1-27-18-01-01 [AGZ056013])
septh mm 160 Aleterial Steel sype of surface With powder coating solour White With powder coating IAL-number White 3016 Vist mounting plate No No Journal of locks Included the plant of locks No No Vall fastering possible No Yes Vall fastering possible Yes No Vall fastering of doors Yes No Jober fastering Yes No Jumber of doors Yes No Jumber of doors Yes No Juitable for metrical mounting Yes No Juitable for outdoor set-up No No Juitable for outdoor set-up	Width	mm	1050
Asterial Ast	Height	mm	500
ype of surface yolour YAL-number YAL-number YAL-number YOTH mounting plate YOTH mounting Y	Depth	mm	160
solour White Mall-number 9016 All-number 9016 With mounting plate depth-adjustable No	Material		Steel
AL-number Vith mounting plate Vith mounting plate Vith mounting plate Vith mounting plate depth-adjustable Vith mounting plate Vith mounting	Type of surface		With powder coating
Vith mounting plate depth-adjustable Abunting plate depth-adjustable Abunting plate depth-adjustable Abunting plate depth-adjustable Abunting possible Abunt	Colour		White
Mounting plate depth-adjustable No lumber of locks loor installation possible Vall fastening possible Vall build in Ves lole fastening ackable lumber of doors lumber of doors lutable for metrical mounting vitable for outdoor set-up MC-version MC-version No No No No No No No No No	RAL-number		9016
lumber of locks loor installation possible Vall fastening possible Vall build in Vall	With mounting plate		No
No Vall fastening possible Yes Vall build in Yes Vall build in No	Mounting plate depth-adjustable		No
Vall fastening possible Vall build in Ves Vole fastening V	Number of locks		1
Vall build in Yes Yole fastening No Ackable Yes Jumber of doors Luitable for metrical mounting Yes Luitable for outdoor set-up Litched roof No MC-version Yes	Floor installation possible		No
Tole fastening Tole f	Wall fastening possible		Yes
Yes Lumber of doors Luitable for metrical mounting Luitable for outdoor set-up Litched roof MC-version Yes Yes Yes Yes Yes Yes	Wall build in		Yes
lumber of doors uitable for metrical mounting uitable for outdoor set-up No itched roof MC-version 2 No Yes No Yes	Pole fastening		No
Tuitable for metrical mounting Tuitable for outdoor set-up	Tackable		Yes
Auitable for outdoor set-up No No MC-version No Yes	Number of doors		2
itched roof No No Yes	Suitable for metrical mounting		Yes
MC-version Yes	Suitable for outdoor set-up		No
	Pitched roof		No
npact strength IK09	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 2x Ø 5 29 mm
- 3 2x Ø 5 18 mm
- $\textcircled{4}_{28\,x} \textcircled{0}_{5-11\,mm}$
- (5) 2x Ø 5-9 mm
- 6 _{2 x} Ø _{16/21/29/38 mm}
- (7) 10 x (2) 16 mm

Additional product information (links)

IL014004Z EWK enclosures for DIN rail-mounte	d 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