DATASHEET - EWK-05051

EWK wall-mount enclosure with standard mounting units, 72 SU, IP43, IK09, protection class 2, RAL9016, HxWxB=500x550x160mm

Powering Business Worldwide™

Part no.	**EWK-05051**
Catalog No.	**174652**
Alternate Catalog No.	**EWK-05051**
EL-Nummer (Norway)	**2455840**

Delivery program

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			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 in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	W	42

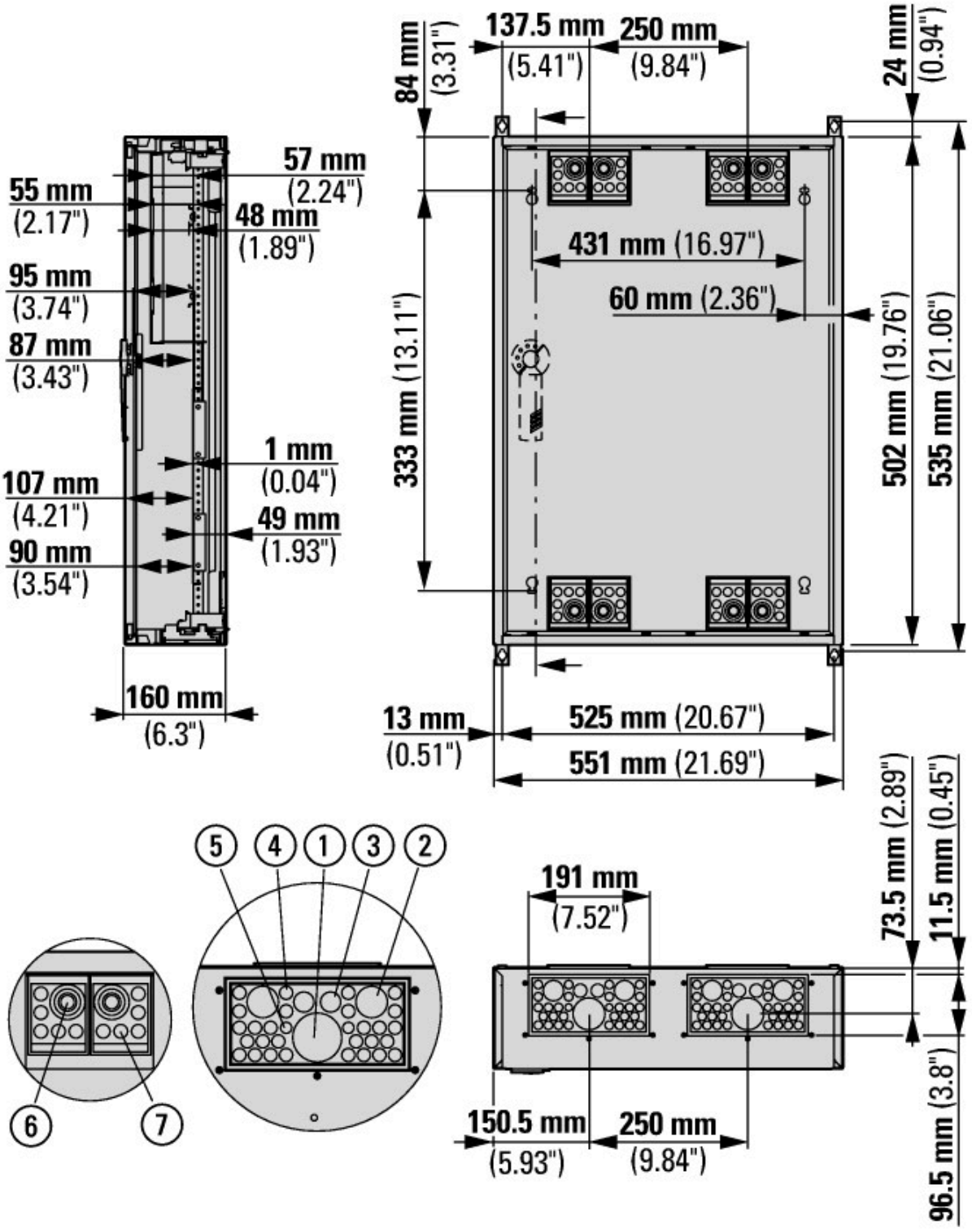
Starting enclosure for wall mounting	P_V	W	40
Middle enclosure for wall mounting	P_V	W	38
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	W	84
Starting enclosure for wall mounting	P_V	W	80
Middle enclosure for wall mounting	P_V	W	77
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 7.0

Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)			
Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss10.0.1-27-18-01-01 [AGZ056016])			
Width		mm	550
Height		mm	500
Depth		mm	160
Material			Steel
Material quality			
Surface finishing			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	No
With glazed door	No
With ventilation door	No
With backside door	No
Impact strength	IK09
Degree of protection (IP)	IP43
Degree of protection (NEMA)	

Dimensions



① 1 x ∅ 5 - 74 mm
② 2 x ∅ 5 - 29 mm
③ 2 x ∅ 5 - 18 mm
④ 28 x ∅ 5 - 11 mm
⑤ 2 x ∅ 5 - 9 mm
⑥ 2 x ∅ 16/21/29/38 mm
⑦ 10 x ∅ 16 mm

Additional product information (links)

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