DATASHEET - EWK-08061



EWK wall-mount enclosure with standard mounting units, 144 SU, IP43, IK09, protection class 2, RAL9016, HxWxB=650x800x160mm



EWK-08061 Part no. Catalog No. 174657 **Alternate Catalog** EWK-08061

No.

EL-Nummer 2455845

(Norway)

Delivery program

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		4
Module units per row			36
Description		36 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: 3 x 6 x (1.5 - 16) N: 3 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)

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	68

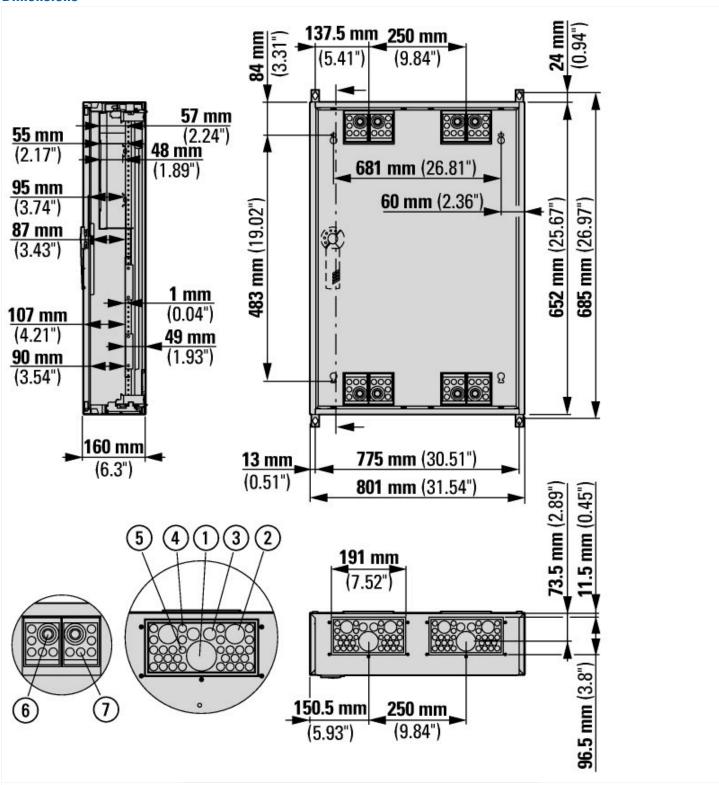
Starting enclosure for wall mounting	P_V	W	66
Middle enclosure for wall mounting	P_{V}	W	63
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	W	137
Starting enclosure for wall mounting	P_{V}	W	132
Middle enclosure for wall mounting	P_{V}	W	127
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 7.0

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Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)		
Electric engineering, automation, process control engineering / Electrical cabinet, h	ousing, rack / Electrical	cabinet (empty) / Electrical cabinet (ecl@ss10.0.1-27-18-01-01 [AGZ056016])
Width	mm	800
Height	mm	650
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		2
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 Ø 5 74 mm ② 2 x Ø 5 29 mm
- ③ 2 x Ø 5 18 mm
- ④ 28 x Ø 5 11 mm ⑤ 2 x Ø 5 - 9 mm
- ⑥ 2 x Ø 16/21/29/38 mm
- ⑦ 10 x Ø 16 mm

Additional product information (links)

IL014004Z EWK enclosures for DIN rail-mounte	ed 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