## DATASHEET - EWK-03091



EWK wall-mount enclosure with standard mounting units, 72 SU, IP43, IK09, protection class 2, RAL9016, HxWxB=950x300x160mm



Part no. EWK-03091 Catalog No. 174663 Alternate Catalog EWK-03091 No. EL-Nummer 2455851 (Norway)

### **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		6
Module units per row			12
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 <sup>2</sup>	PE: 6 x (1.5 - 16) N: 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

		EN 61439-3
		conform
	°C	-5 - +40
		IP43
		II (totally insulated)
Ue	V AC	400
f	Hz	50
		Sheet steel, powder-coated Polystyren (plastic)
		white (RAL 9016)
		IK09
	Ue f	Ue V AC

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

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 <sub>V</sub>	W	43
Starting enclosure for wall mounting	P <sub>V</sub>	W	40
Middle enclosure for wall mounting	P <sub>V</sub>	W	37
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	Pv	W	86
Starting enclosure for wall mounting	P <sub>V</sub>	W	80
Middle enclosure for wall mounting	P <sub>V</sub>	W	73
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 <sub>i</sub> = 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.

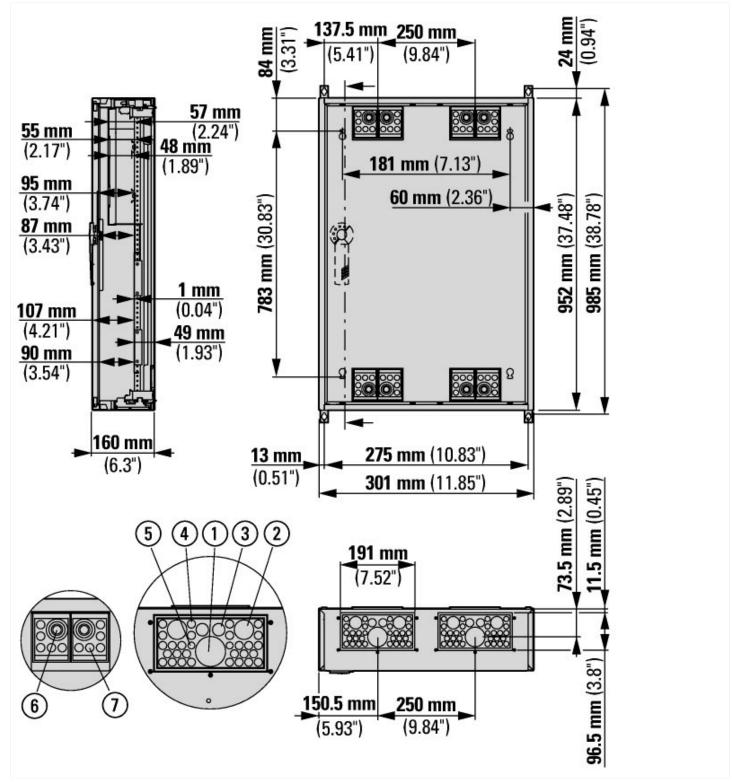
# **Technical data ETIM 7.0**

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])				
mn	n	300		
mn	n	950		
mn	n	160		
		Steel		
		Powder coating		
		White		
		9016		
		No		
		No		
		1		
		No		
		Yes		
		Yes		
	mi	housing, rack / Electrical mm mm mm mm interference inter		

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**



# Additional product information (links)

#### IL014004Z EWK enclosures for DIN rail-mounted devices

 
 ILD14004Z EWK enclosures for DIN railmounted 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