## **DATASHEET - EWS-10142**



EWS wall-mount enclosure for EP standard mounting units, IP43, IK09, protection class 2, RAL9016 , without EP modules, HxWxB=1400x1050x210mm



Part no. EWS-10142 Catalog No. 174649 Eaton Catalog No. EWS-10142 EL-Nummer 0002455837 (Norway)

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

resign vernication as per 1EG/EN 01433			
echnical 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	150
Starting enclosure for wall mounting	$P_{V}$	W	146
Middle enclosure for wall mounting	$P_V$	W	143
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	301
Starting enclosure for wall mounting	$P_V$	W	292
Middle enclosure for wall mounting	$P_V$	W	286
C/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**

iccimical 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	1050				
Height	mm	1400				
Depth	mm	210				
Material		Steel				
Material quality						

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 yetlilation door       No         With backside door       No         Impact strength       No         Degree of protection (IP)       Ito3			
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         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Picthed roof         No           EMC-version         No           With glazed door         No           With ventilation door         No           With ventilation door         No           With ventilation door         No           With backside door         No           Impact strength         Kog           Degree of protection (IP)         IF43	Surface finishing	Powder coating	
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         Yes           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         No           Degree of protection (IP)         IF43	Colour	White	
Mounting plate depth-adjustable Number of locks Floor installation possible Wall fastening possible Wall fastening possible Wall build in Pole fastening No Tackable Number of doors Suitable for metrical mounting Suitable for outdoor set-up Pitched roof EMC-version With glazed door With yelazed door With ventilation door With backside door Mith backside door Impact strength Degree of protection (IP)  No  1  No  1	RAL-number	9016	
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 ventilation door         No           With backside door         No           Impact strength         K09           Degree of protection (IP)         IP43	With mounting plate	No	
Floor installation possible  Wall fastening possible  Wall fastening possible  Wall build in  Pole fastening  Pole fastening  No  Tackable  Number of doors  Suitable for metrical mounting  Suitable for outdoor set-up  Pitched roof  Pitched roof  EMC-version  With glazed door  With ventilation door  With ventilation door  With backside door  With backside door  Impact strength  Degree of protection (IP)  No  Yes  No  No  No  No  No  No  No  No  No  N	Mounting plate depth-adjustable	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	Number of locks	1	
Wall build inYesPole fasteningNoTackableYesNumber of doors2Suitable for metrical mountingYesSuitable for outdoor set-upNoPitched roofNoEMC-versionNoWith glazed doorNoWith ventilation doorNoWith ventilation doorNoWith backside doorNoImpact strengthIK09Degree of protection (IP)IP43	Floor installation possible	No	
Pole fastening Tackable Yes Number of doors Suitable for metrical mounting Suitable for outdoor set-up Pitched roof Pitched roof EMC-version With glazed door With ventilation door With ventilation door With backside door Impact strength Degree of protection (IP)  No  Yes  No  No  No  No  No  No  No  No  No  N	Wall fastening possible	Yes	
Tackable Number of doors Suitable for metrical mounting Suitable for outdoor set-up No Pitched roof No EMC-version No With glazed door With ventilation door With ventilation door With packside door Impact strength Degree of protection (IP)  Yes No Ves No	Wall build in	Yes	
Number of doors Suitable for metrical mounting Yes Suitable for outdoor set-up No Pitched roof No EMC-version No With glazed door With ventilation door With ventilation door With packside door Impact strength Degree of protection (IP)  2  Yes No No No No No Impact strength IK09 IP43	Pole fastening	No	
Suitable for metrical mounting  Suitable for outdoor set-up  No  Pitched roof  EMC-version  With glazed door  With ventilation door  With backside door  Impact strength  Degree of protection (IP)  Yes  No  No  No  No  No  IMAGE  IMAG	Tackable	Yes	
Suitable for outdoor set-up Pitched roof Pitched roof PMC-version With glazed door With ventilation door With ventilation door With packside door Impact strength Degree of protection (IP)  No No No Impact strength IK09 IP43	Number of doors	2	
Pitched roof EMC-version No With glazed door With ventilation door With backside door Impact strength Degree of protection (IP) No	Suitable for metrical mounting	Yes	
EMC-version         No           With glazed door         No           With ventilation door         No           With backside door         No           Impact strength         IK09           Degree of protection (IP)         IP43	Suitable for outdoor set-up	No	
With glazed door With ventilation door With backside door No Impact strength Degree of protection (IP) No No IP43	Pitched roof	No	
With ventilation door With backside door Impact strength Degree of protection (IP) No IK09 IP43	EMC-version	No	
With backside door No Impact strength IK09 Degree of protection (IP) IP43	With glazed door	No	
Impact strength IK09 Degree of protection (IP) IP43	With ventilation door	No	
Degree of protection (IP)	With backside door	No	
	Impact strength	IK09	
Degree of protection (NEMA)	Degree of protection (IP)	IP43	
	Degree of protection (NEMA)		



