## **DATASHEET - EWS-08122**



EWS wall-mount enclosure for EP standard mounting units, IP43, IK09, protection class 2, RAL9016 , without EP modules, HxWxB=1250x800x210mm



Part no. EWS-08122 Catalog No. 174643 Alternate Catalog EWS-08122

No.

**EL-Nummer 2455831** 

(Norway)

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

Design vernication as per 120/214 01455			
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	97
Starting enclosure for wall mounting	$P_V$	W	91
Middle enclosure for wall mounting	$P_V$	W	87
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	194
Starting enclosure for wall mounting	$P_V$	W	183
Middle enclosure for wall mounting	$P_V$	W	175
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.
10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility			Is the panel builder's responsibility.  Is the panel builder's responsibility.  U <sub>i</sub> = 400 V AC  3 kV  Does not apply to metal enclosures.  The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  Is the panel builder's responsibility.  Is the panel builder's responsibility.

## **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	800		
Height	mm	1250		
Depth	mm	210		
Material		Steel		

Surface finishingPowder coatingColourWhiteRAL-number906With mounting plateNoMounting plate depth-adjustableNoNumber of locks1Floor installation possibleNoWall fastening possibleYesWall build inYesPole fasteningNoTackableYesSuitable for metrical mountingYesSuitable for metrical mountingYesSuitable for neutrical mountingYesSuitable for neutrical mountingYesSuitable for outdoor set-upNoPiched roofNoEMC-versionNoWith glazed doorNoWith glazed doorNoWith tentilation doorNoWith tentilation doorNoWith tentilation doorNoWith backside doorNo <td< th=""><th></th><th></th></td<>		
Colour         White           RAL-number         9016           With mounting plate         10           Mounting plate depth-adjustable         10           Number of locks         1           Floor installation possible         10           Wall fastening possible         10           Wall build in         10           Pole fastening         10           Tackable         10           Number of doors         10           Suitable for metrical mounting         10           Suitable for outdoor set-up         10           Pitched roof         10           Suitable for outdoor set-up         10           Pitched roof         10           Suitable for outdoor set-up         10           With glazed door         10           With glazed door         10           With rentilation door         10           With ventilation door         10           With backside door         10           Impact strength         10           Degree of protection (IP)         10	Material quality	
RAL-number         9016           With mounting plate         No           Mounting plate depth-adjustable         1           Number of locks         1           Floor installation possible         Mo           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           Picked 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           With backside door         No           With backside door         No           Impact strength         No           Degree of protection (IP)         No	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           Stackable         Yes           Number of doors         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           Suitable for outdoor set-up         No           Pitched roof         No           SWING plazed door         No           With yestilation door         No           With yestilation door         No           With yestilation door         No           With backside door         No           With backside door         No           Impact strength         No           Degree of protection (IP)         No	Colour	White
Mounting plate depth-adjustable         6         1           Number of locks         1         1           Floor installation possible         8         No           Wall fastening possible         9         Yes           Wall build in         9         Yes           Pole fastening         No         No           Tackable         9         Yes           Number of doors         9         2           Suitable for metrical mounting         9         Yes           Suitable for outdoor set-up         9         No           Pitched roof         9         No           EMC-version         9         No           With glazed door         No         No           With ventilation door         9         No           With backside door         9         No           With backside door         9         No           Impact strength         10         No           Degree of protection (IP)         10         No	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 backside door         No           Impact strength         No           Degree of protection (IP)         IP43	With mounting plate	No
Floor installation possible  Wall fastening possible  Wall fastening possible  Wall baild in  Pole fastening  Pole fastening  Tackable  No  Tackable  Number of doors  Suitable for metrical mounting  Suitable for outdoor set-up  Pitched roof  EMC-version  With glazed door  With ventilation door  With ventilation door  With backside door  Minact strength  Degree of protection (IP)	Mounting plate depth-adjustable	No
Wall fastening possible  Wall build in  Pole fastening  Tackable  Number of doors  Suitable for metrical mounting  Suitable for outdoor set-up  Pitched roof  EMC-version  With yeard door  With packside door  With packside door  With packside door  Degree of protection (IP)  Pies  Yes  No  No  No  No  No  No  No  No  No  N	Number of locks	1
Wall build inYesPole fasteningNoTackableYesNumber of doors2Suitable for metrical mountingYesSuitable for outdoor set-upNoPitched roofNoEMC-versionNoWith glazed doorNoWith ventilation doorNoWith backside doorNoImpact strengthIK09Degree of protection (IP)It43	Floor installation possible	No
Pole fastening Tackable Number of doors Suitable for metrical mounting Suitable for outdoor set-up Pitched roof EMC-version With glazed door With ventilation door With packside door Umpact strength Degree of protection (IP)	Wall fastening possible	Yes
Tackable Number of doors Suitable for metrical mounting Suitable for outdoor set-up Pitched roof EMC-version With glazed door With ventilation door With person With backside door Impact strength Degree of protection (IP)	Wall build in	Yes
Number of doors  Suitable for metrical mounting Suitable for outdoor set-up  No  Pitched roof  EMC-version With glazed door With ventilation door  With ventilation door  With packside door Impact strength Degree of protection (IP)  Suitable for metrical mounting  Yes  No  No  No  No  No  IMBA  EMC-version No  No  IMBA  IMB	Pole fastening	No
Suitable for metrical mounting Suitable for outdoor set-up Pitched roof EMC-version With glazed door With ventilation door With ventilation door With packside door Impact strength Degree of protection (IP)  Yes No	Tackable	Yes
Suitable for outdoor set-up Pitched roof Pitched roof PMC-version With glazed door With ventilation door With backside door Impact strength Degree of protection (IP)  No	Number of doors	2
Pitched roofNoEMC-versionNoWith glazed doorNoWith ventilation doorNoWith backside doorNoImpact strengthIK09Degree of protection (IP)IP43	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)	Suitable for outdoor set-up	No
With glazed doorNoWith ventilation doorNoWith backside doorNoImpact strengthIK09Degree of protection (IP)IP43	Pitched roof	No
With ventilation doorNoWith backside doorNoImpact strengthIK09Degree of protection (IP)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)  IP43	With backside door	No
	Impact strength	IK09
Degree of protection (NEMA)	Degree of protection (IP)	IP43
	Degree of protection (NEMA)	



