## **DATASHEET - EWS-05092**



EWS wall-mount enclosure for EP standard mounting units, IP43, IK09, protection class 2, RAL9016 , without EP modules, HxWxB=950x550x210mm



Part no. EWS-05092 Catalog No. 174632 Alternate Catalog EWS-05092

No.

**EL-Nummer 2455820** 

(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 | 56   |
| Starting enclosure for wall mounting  | $P_V$   | W | 66   |
| Middle enclosure for wall mounting  | $P_V$   | W | 62   |
| 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 | 112  |
| Starting enclosure for wall mounting  | $P_V$   | W | 133  |
| Middle enclosure for wall mounting  | $P_V$   | W | 125  |
| 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**

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 | 950   |  |  |
| Depth  | mm | 210   |  |  |
| Material   |    | Steel |  |  |

| 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           Well fastening possible         Yes           Well build in         Yes           Pole fastening         No           Suitable for metrical mounting         Yes           Suitable for metrical mounting         Yes           Suitable for outdoor set-up         No           Pitched roof         No           EMC-version         No           With glazed door         No           With placed door         No |                                 |                |
|--|---------------------------------|----------------|
| 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           Picked roof         No           EMC-version         No           Wift glazed door         No           Wift yentilation door         No           Wift heakside door         No           Wift backside door         No           Impact strength         No           Degree of protection (IP)         Itags   | Material quality                |                |
| 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 ventilation door         No           With backside door         No           Impact strength         No           Degree of protection (IP)         Itags  | 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           Picthed roof         No           EMC-version         No           With gazed door         No           With ventilation door         No           With backside door         No           Impact strength         No           Degree of protection (IP)         H23  | Colour                          | White          |
| Mounting plate depth-adjustable Number of locks Floor installation possible No Wall fastening possible Wall fastening possible Wall build in Pole fastening No Tackable No Tackable No No Suitable for metrical mounting Suitable for outdoor set-up Pitched roof EMC-version With glazed door With yentilation door With ventilation door With backside door Impact strength Degree of protection (IP) 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         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         K09           Degree of protection (IP)         IP43   | With mounting plate             | No             |
| Floor installation possible  Wall fastening possible  Wall statening possible  Wall baild in  Pole fastening  Pole fastening  No  Tackable  No  Tackable  Number of doors  Suitable for metrical mounting  Suitable for outdoor set-up  Pitched roof  Floor  EMC-version  With years of door  With ventilation door  With ventilation door  With backside door  Mo  With pacet strength  Degree of protection (IP)   | Mounting plate depth-adjustable | No             |
| Wall fastening possibleYesWall build inYesPole fasteningNoTackableYesNumber of doors1Suitable for metrical mountingYesSuitable for outdoor set-upNoPitched roofNoEMC-versionNoWith glazed doorNoWith ventilation doorNoWith ventilation doorNoWith backside doorNoImpact strengthIK09Degree of protection (IP)IP43   | Number of locks                 | 1              |
| 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   | Floor installation possible     | No             |
| Pole fasteningNoTackableYesNumber of doors1Suitable for metrical mountingYesSuitable for outdoor set-upNoPitched roofNoEMC-versionNoWith glazed doorNoWith ventilation doorNoWith backside doorNoUmpact strengthNoDegree of protection (IP)IF43  | Wall fastening possible         | Yes            |
| Tackable Number of doors 1 Suitable for metrical mounting Suitable for outdoor set-up No Pitched roof EMC-version With glazed door With ventilation door With ventilation door With person With backside door Impact strength Degree of protection (IP)  Yes No  | Wall build in                   | Yes            |
| Number of doors Suitable for metrical mounting Suitable for outdoor set-up No Pitched roof Pitched roof MC-version With glazed door With ventilation door With ventilation door With packside door Inpact strength Degree of protection (IP)  1  1  1  1  1  1  1  1  1  1  1  1  1  | 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  EMC-version  With glazed door  With ventilation door  With backside door  Impact strength  Degree of protection (IP)  No  No  No  No  No  Impact strength  IKO9  IP43   | Number of doors                 | 1              |
| 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 door With backside door Impact strength Degree of protection (IP) No 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)     |                |



