DATASHEET - EWS-13142



EWS wall-mount enclosure for EP standard mounting units, IP43, IK09, protection class 2, RAL9016 , without EP modules, HxWxB=1400x1300x210mm



Part no. EWS-13142 Catalog No. 174650 Alternate Catalog EWS-13142

No.

EL-Nummer 2455838

(Norway)

Design verification as per IEC/EN 61439

| Design vernication as per 166/618 01459 | | | |
|---|---------|---|--|
| 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 | 207 |
| Starting enclosure for wall mounting | P_{V} | W | 199 |
| Middle enclosure for wall mounting | P_V | W | 193 |
| 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 | 416 |
| Starting enclosure for wall mounting | P_{V} | W | 399 |
| Middle enclosure for wall mounting | P_V | W | 387 |
| 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 | 1300 | | |
| Height | mm | 1400 | | |
| 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 vertilation 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) No No No No No No No No No N | 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 IMBA IMBA | 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) | |



