

Data Sheet for Article: WSA5030210

# Wall-mounted enclosure 1 door IP66 H=500 W=300 D=210mm

sheet steel, RAL7035, with mounting plate, with 2x double-bit locks, with 1x gland plate cutout W=200 D=115mm, type A



## SCHRACK-Info

- **Material:** Robust, cross-shaped construction which is welded from a cold-pressed sheet steel plate regardless on the enclosure size. The enclosure consists of two parts: corpus and door
- **Sheet steel thickness corpus:**
  - Single door:
    - 1.2mm: WSA3025150 to WSA8040300
    - 1.5mm: WSA8060210 to WSA1208300
  - Double door:
    - 1.2mm: WSA6080302
    - 1.5mm: WSA8012302 to WSA1410402
- **Gland plates:**
  - Blind gland plates made of 1.5mm powder-coated sheet steel
  - The cable entry is possible via gland plate openings in the bottom or the top because the enclosure can be rotated by 180°
  - The placement far back in the enclosure ensures an easy cable entry
  - A gasket to protect the degree of protection is included
  - Internal gland plates: WSA8012302, WSA8012402, WSA1006400, WSA1008400, WSA1010302, WSA1206400, WSA1208400, WSA1210302, WSA1212302, WSA1212402 and WSA1410402

- **Door:** Made of sheet steel and equipped with M6 threaded bolts for earthing
  - Sheet steel thickness:
    - 1.2mm: WSA3025150 to WSA6040300
    - 1.5mm: WSA6050210 to WSA8040300, except WSA6080300 + WSA6080302 (each 2mm)
    - 2mm: WSA6080300 + WSA6080302, as well as WSA8060210 to WSA1410402
  - All single door enclosures from WSA4040210 (H=400 W=400 D=210mm), as well as all double door enclosures are fitted with pre-assembled door-mounting profiles, which also serve for rail fastening
  - The door is secured with two and from a height of 1000mm with three hinges and has an opening angle of 130°
  - The door hinges are hidden and the door is attached with safety pins. The position of door hinges can be easily changed. The doors have a polyurethane foam seal to ensure the IP degree of protection
- **Lock:**
  - Single door:
    - 1 x sash lock with double-bit insert: WSA3025150 to WSA4060210
    - 2 x sash locks with double-bit insert: WSA5030210 to WSA1008400
    - 1 x 3-point-lock with door lock: WSA1206300 to WSA1208400
  - Double door:
    - 4 x sash locks with double-bit insert: WSA6080302 to WSA1010302
    - 1 x 3-point-lock with mini-swing handle: WSA1210302 to WSA1410402
  - Single door enclosures from a height of 500mm have two sash locks
  - Single door enclosures from a height of 1200mm are equipped with a 3-point rod lock and a door lock
  - Double door enclosures from a height of 600mm have four sash locks
  - Double door enclosures from a height of 1200mm are equipped with a 3-point rod lock and a mini-swing handle
  - The lock insert for all locking systems is a 5mm double-bit lock
  - The mini-swing handle with 5mm double-bit lock can be exchanged for a door lock or a swing handle for half-cylinder locks
- **Mounting plate:**
  - 2mm galvanised sheet steel
  - The mounting plate is folded on the sides to increase rigidity
  - The mounting plate is installed on welded M8 bolts inside the enclosure and can be removed for assembly and wiring
  - It comes with earthing points to establish a connection to the body of the enclosure
- **Mounting:**
  - The enclosure can be mounted directly to the wall with wall-mounting brackets WSAWB004, the degree of protection is maintained
  - Alternatively, the enclosure can be mounted directly on the desired mounting surface using screws (pay attention to the degree of protection!)
  - The four M8 diameter wall-mounting holes are arranged in the corners of the rear panel
  - Several enclosures can be mounted beside each other thanks to the small door opening radius
  - For the widths 300, 400, 500 and 600mm, there are corresponding pole attachments WSAPCLx00
- **Outdoor installation:**
  - Enclosures and accessories of WSA series meet the requirements of standard IEC 62208 for metal enclosures that allow outdoor installation
  - The standard IEC 62208 allows a certain degree of oxidation Ri1 according to ISO 4628-3 and in practice this degree of oxidation does not affect the functionality and mechanical solidity of the enclosure. The implementation of maintenance to avoid aesthetic deterioration and to prolong its useful life is recommended (see below)
  - Corrosion protection for the entire enclosure is recommended

- **Degree of protection:**
  - Single door IP66
  - Double door IP54
- **Impact protection:** IK10, IK08 for glazed doors
- **Finish:** Iron phosphate and electrostatic powder coating
- **Color:** RAL 7035 (Light grey)
- **Supply includes:**
  - Enclosure with two door-mounting profiles (from enclosure width 400mm and above)
  - Blind gland plate(s) with gasket(s) and screws
  - One key DIN 5mm
  - One mounting plate with mounting material
  - Earthing possibilities are given

#### Maintenance recommendations for sheet steel wall-mounted enclosures outdoor:

- Enclosures and accessories of WKT and WSA series meet the requirements of standard **IEC 62208** for metal enclosures that allow outdoor installation
- The standard IEC 62208 allows a certain degree of **oxidation Ri1** according to **ISO 4628-3** and in practice this degree of oxidation does not affect the functionality and mechanical solidity of the enclosure. The implementation of maintenance to avoid aesthetic deterioration and to prolong its useful life is recommended
- **Interval:** Annually
- **Visual inspection:** Detection of any harm to the surface such as scrapes or impacts that could have damaged the paint coating
- **Initial signs of rust:** Due to scrapes, impacts or any other causes
  - Remove the surface rust
  - Abrade the surface rust to get rid of it completely
- **Cleaning:** Clean the affected area with alcohol or an evaporating cleaner
- **Paint:** Paint the affected surface with a synthetic paint (RAL 7035)
  - We recommend our grey textured paint color RAL 7035, Art.-nr. IU008106



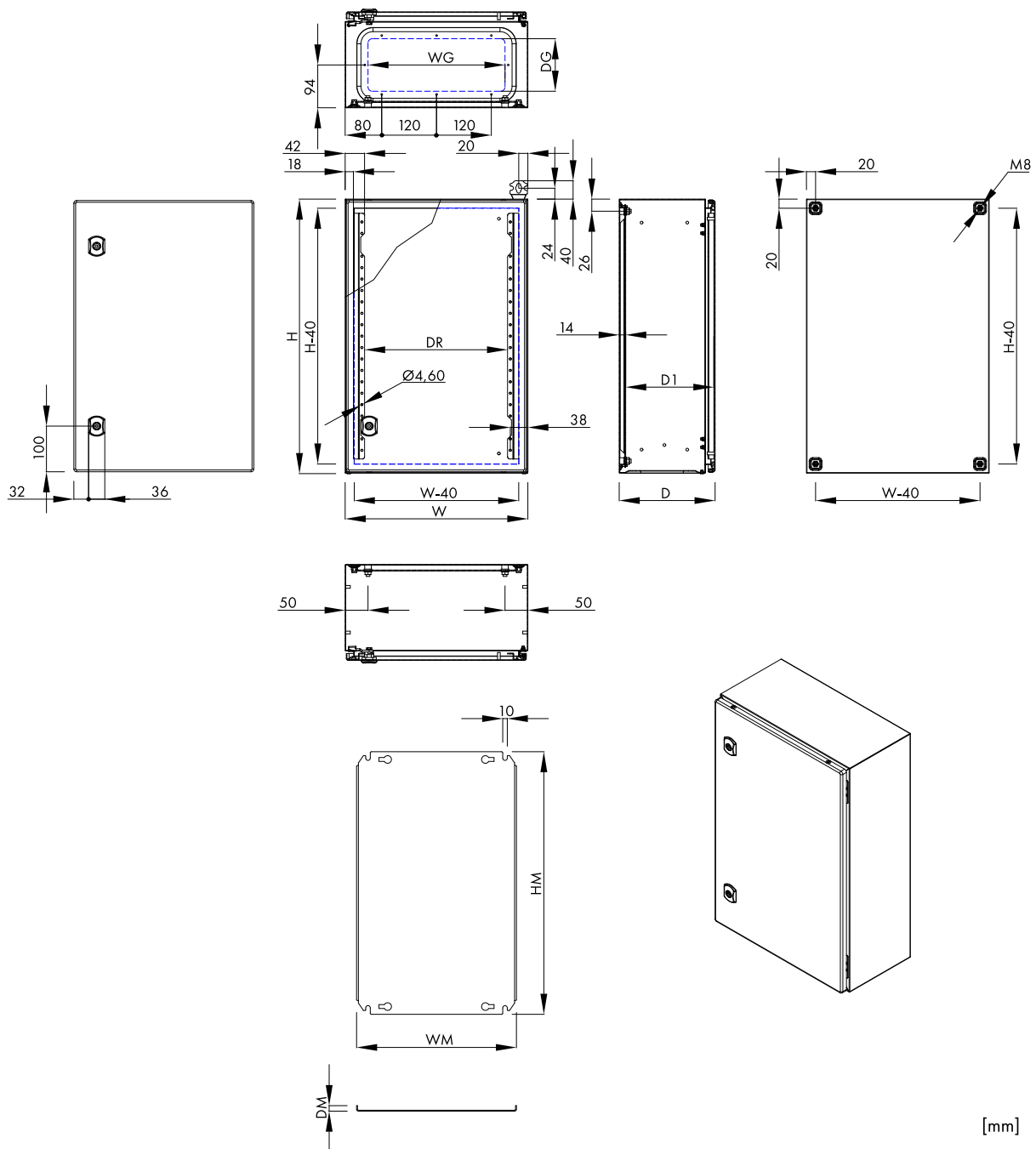
## Technical Data

|                               |        |
|-------------------------------|--------|
| Net width (mm)                | 300,00 |
| Net height (mm)               | 500,00 |
| Netto depth (mm)              | 210,00 |
| Net weight (kg)               | 10,13  |
| Min. ambient temperature (°C) | -40    |
| Max. ambient temperature (°C) | 100    |

## Technical Data - continued

|                                    |                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------|
| Supply includes                    | Complete enclosure + mounting plate + gland plate + double bit key + accessory pack |
| Product standard                   | EN 62208                                                                            |
| IP Rating                          | IP66                                                                                |
| Protection class                   | I                                                                                   |
| Impact Resistance                  | IK10                                                                                |
| Rated voltage                      | 1000V AC / 1500V DC                                                                 |
| Colour                             | RAL 7035 (Light grey)                                                               |
| Width (mm)                         | 300                                                                                 |
| Height (mm)                        | 500                                                                                 |
| Depth (mm)                         | 210                                                                                 |
| Corpus wall thickness (mm)         | 1,20                                                                                |
| Mounting plate                     | galvanized sheet steel 2mm                                                          |
| Mounting plate wall thickness (mm) | 2                                                                                   |
| Mounting plate width (mm)          | 250                                                                                 |
| Mounting plate height (mm)         | 475                                                                                 |
| Door wall thickness (mm)           | 1,20                                                                                |
| Load capacity per door (kg)        | 10                                                                                  |
| Number of doors                    | 1                                                                                   |
| Product category                   | Wall-mounted Enclosure Sheet Steel                                                  |
| Total Load Capacity (kg)           | 70                                                                                  |
| Mounting Plate Load Capacity (kg)  | 60                                                                                  |
| Number of gland plates             | 1                                                                                   |
| Door reinforcement                 | Included                                                                            |
| Lock                               | 2                                                                                   |
| Hinge                              | 2                                                                                   |
| Gland plate Type                   | A                                                                                   |
| Gland plate width (mm)             | 200                                                                                 |
| Gland plate depth (mm)             | 115                                                                                 |
| Rear wall mounting                 | 4                                                                                   |
| Power loss (W)                     | -94,00                                                                              |

## Dimension Drawing



## Technical Details

| Article number | Enclosure (mm) |     |     | Wall thickness (mm) |      | DR   | Clearance depth D1 | Door  |        | Gland plates |         |      |      | Rear panel        | Mounting plate (mm) |     |    |
|----------------|----------------|-----|-----|---------------------|------|------|--------------------|-------|--------|--------------|---------|------|------|-------------------|---------------------|-----|----|
|                | H              | W   | D   | Corpus              | Door | (mm) | (mm)               | locks | hinges | WG (mm)      | DG (mm) | Type | Pcs. | Number of fixings | HM                  | WM  | DM |
| WSA5030210     | 500            | 300 | 210 | 1.2                 | 1.2  | -    | 195                | 2     | 2      | 200          | 115     | A    | 1    | 4                 | 475                 | 250 | 12 |
| WSA5040150     | 500            | 400 | 150 | 1.2                 | 1.2  | 313  | 135                | 2     | 2      | -            | -       | -    | -    | 4                 | 475                 | 350 | 12 |
| WSA5040210     | 500            | 400 | 210 | 1.2                 | 1.2  | 313  | 195                | 2     | 2      | 300          | 115     | B    | 1    | 4                 | 475                 | 350 | 12 |
| WSA5040260     | 500            | 400 | 260 | 1.2                 | 1.2  | 313  | 245                | 2     | 2      | 300          | 115     | B    | 1    | 4                 | 475                 | 350 | 12 |
| WSA5040300     | 500            | 400 | 300 | 1.2                 | 1.2  | 313  | 285                | 2     | 2      | 300          | 190     | C    | 1    | 4                 | 475                 | 350 | 12 |
| WSA5050210     | 500            | 500 | 210 | 1.2                 | 1.2  | 413  | 195                | 2     | 2      | 400          | 115     | D    | 1    | 4                 | 475                 | 450 | 12 |
| WSA5050300     | 500            | 500 | 300 | 1.2                 | 1.2  | 413  | 285                | 2     | 2      | 400          | 190     | E    | 1    | 4                 | 475                 | 450 | 12 |
| WSA6040150     | 600            | 400 | 150 | 1.2                 | 1.2  | 313  | 135                | 2     | 2      | -            | -       | -    | -    | 4                 | 575                 | 350 | 12 |
| WSA6040210     | 600            | 400 | 210 | 1.2                 | 1.2  | 313  | 195                | 2     | 2      | 300          | 115     | B    | 1    | 4                 | 575                 | 350 | 12 |
| WSA6040211     | 600            | 400 | 210 | 1.2                 | 1.2  | 313  | 195                | 2     | 2      | 300          | 115     | B    | 1    | 4                 | -                   | -   | -  |
| WSA6040260     | 600            | 400 | 260 | 1.2                 | 1.2  | 313  | 245                | 2     | 2      | 300          | 115     | B    | 1    | 4                 | 575                 | 350 | 12 |
| WSA6040300     | 600            | 400 | 300 | 1.2                 | 1.2  | 313  | 285                | 2     | 2      | 300          | 190     | C    | 1    | 4                 | 575                 | 350 | 12 |
| WSA6050150     | 600            | 500 | 150 | 1.2                 | 1.2  | 413  | 135                | 2     | 2      | -            | -       | -    | -    | 4                 | 575                 | 450 | 12 |
| WSA6050210     | 600            | 500 | 210 | 1.2                 | 1.5  | 413  | 195                | 2     | 2      | 400          | 115     | D    | 1    | 4                 | 575                 | 450 | 12 |
| WSA6050260     | 600            | 500 | 260 | 1.2                 | 1.5  | 413  | 245                | 2     | 2      | 400          | 115     | D    | 1    | 4                 | 575                 | 450 | 12 |
| WSA6050300     | 600            | 500 | 300 | 1.2                 | 1.5  | 413  | 284                | 2     | 2      | 400          | 190     | E    | 1    | 4                 | 575                 | 450 | 12 |
| WSA6050305     | 600            | 500 | 300 | 1.2                 | 1.5  | 413  | 284                | 2     | 2      | 400          | 190     | E    | 1    | 4                 | -                   | -   | -  |
| WSA6060210     | 600            | 600 | 210 | 1.2                 | 1.5  | 513  | 195                | 2     | 2      | 500          | 115     | F    | 1    | 4                 | 575                 | 550 | 12 |
| WSA6060300     | 600            | 600 | 300 | 1.2                 | 1.5  | 513  | 284                | 2     | 2      | 500          | 190     | G    | 1    | 4                 | 575                 | 550 | 12 |
| WSA6060400     | 600            | 600 | 400 | 1.2                 | 1.5  | 513  | 384                | 2     | 2      | 500          | 190     | G    | 1    | 4                 | 575                 | 550 | 12 |
| WSA6080300     | 600            | 800 | 300 | 1.2                 | 2    | 713  | 284                | 2     | 2      | 300          | 190     | C    | 2    | 4                 | 575                 | 750 | 12 |
| WSA7050210     | 700            | 500 | 210 | 1.2                 | 1.5  | 413  | 195                | 2     | 2      | 400          | 115     | D    | 1    | 4                 | 675                 | 450 | 12 |
| WSA7050260     | 700            | 500 | 260 | 1.2                 | 1.5  | 413  | 245                | 2     | 2      | 400          | 115     | D    | 1    | 4                 | 675                 | 450 | 12 |
| WSA8040300     | 800            | 400 | 300 | 1.2                 | 1.5  | 313  | 284                | 2     | 2      | 300          | 190     | C    | 1    | 4                 | 775                 | 350 | 12 |
| WSA8060210     | 800            | 600 | 210 | 1.5                 | 2    | 513  | 195                | 2     | 2      | 500          | 115     | F    | 1    | 4                 | 775                 | 550 | 12 |
| WSA8060211     | 800            | 600 | 210 | 1.5                 | 2    | 513  | 195                | 2     | 2      | 500          | 115     | F    | 1    | 4                 | -                   | -   | -  |
| WSA8060260     | 800            | 600 | 260 | 1.5                 | 2    | 513  | 245                | 2     | 2      | 500          | 115     | F    | 1    | 4                 | 775                 | 550 | 12 |
| WSA8060300     | 800            | 600 | 300 | 1.5                 | 2    | 513  | 283                | 2     | 2      | 500          | 190     | G    | 1    | 4                 | 775                 | 550 | 12 |
| WSA8060305     | 800            | 600 | 300 | 1.5                 | 2    | 513  | 284                | 2     | 2      | 500          | 190     | G    | 1    | 4                 | -                   | -   | -  |
| WSA8060400     | 800            | 600 | 400 | 1.5                 | 2    | 513  | 384                | 2     | 2      | 500          | 190     | G    | 1    | 4                 | 775                 | 550 | 12 |
| WSA8080210     | 800            | 800 | 210 | 1.5                 | 2    | 713  | 195                | 2     | 2      | 300          | 115     | B    | 2    | 4                 | 775                 | 750 | 12 |
| WSA8080300     | 800            | 800 | 300 | 1.5                 | 2    | 713  | 283                | 2     | 2      | 300          | 190     | C    | 2    | 4                 | 775                 | 750 | 12 |
| WSA1006260     | 1000           | 600 | 260 | 1.5                 | 2    | 513  | 245                | 2     | 3      | 500          | 115     | F    | 1    | 4                 | 975                 | 550 | 12 |
| WSA1006300     | 1000           | 600 | 300 | 1.5                 | 2    | 513  | 283                | 2     | 3      | 500          | 190     | G    | 1    | 4                 | 975                 | 550 | 12 |
| WSA1006400     | 1000           | 600 | 400 | 1.5                 | 2    | 513  | 384                | 2     | 3      | 500          | 200     | J    | 1    | 4                 | 975                 | 550 | 12 |
| WSA1008260     | 1000           | 800 | 260 | 1.5                 | 2    | 713  | 245                | 2     | 3      | 300          | 115     | B    | 2    | 4                 | 975                 | 750 | 12 |
| WSA1008300     | 1000           | 800 | 300 | 1.5                 | 2    | 713  | 283                | 2     | 3      | 300          | 190     | C    | 2    | 4                 | 975                 | 750 | 12 |
| WSA1008400     | 1000           | 800 | 400 | 1.5                 | 2    | 713  | 384                | 2     | 3      | 700          | 200     | M    | 1    | 4                 | 975                 | 750 | 12 |

| DESCRIPTION                                                                                                                                                                     | Order No.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Wall-mounted enclosure 1 door IP66 H=500 W=300 D=210mm<br>sheet steel, RAL7035, with mounting plate, with 2x double-bit locks, with 1x gland plate cutout W=200 D=115mm, type A | WSA5030210 |

### Optional Accessories

## Article Table

| DESCRIPTION                                                                                                                                                           | Order No.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Optional Accessories</b>                                                                                                                                           |            |
| Wall-mounting brackets for WSA, WKT, WKA and BUS enclosures<br>galvanized, PU=4 pieces                                                                                | WSAWB004   |
| Knitted earthing cable 260mm long, blank                                                                                                                              | WSTCUF260  |
| WSA Cable entry gland plate for type A, with 13 entries<br>cable entries 4xM16, 5xM20, 2xM25, 2xM32 with blind glands, gland plate cutout W=200 D=115mm               | WSAFA0A2   |
| WSA Cable entry gland plate for type A, with foam rubber<br>suitable for WSA3030210, WSA4030210 and WSA5030210                                                        | WSAMFR0A   |
| Quarter turn for half cylinder instead of double-bit lock<br>IP65, for half cylinder 40mm                                                                             | IU001925   |
| Cylinder lock keyed EK 333 including 2 keys                                                                                                                           | DV905333-A |
| Cylinder sash lock for WSA including 1 key                                                                                                                            | WSSL3844-A |
| WSA Door switch 6A/230V~, IP40<br>1x normally open (NO) and 1x normally closed contact (NC), plastic, suitable for WSA enclosures up to and included HxW<br>400x300mm | WSADSW02   |
| WSA Door restrictor, suitable for all sizes                                                                                                                           | WSADSTP2   |
| WSA Protective roof for W=300 D=210mm<br>suitable for WSA3030210, WSA4030210 and WSA5030210                                                                           | WSAD3021   |
| WSA Single door made of sheet steel for H=500 und B=300mm<br>suitable for WSA5030210                                                                                  | WSASD0503  |