

Data Sheet for Article: WSA1410409

Wall-mounted enclosure 2 doors IP54 H=1400 W=1000 D=400mm

sheet steel, RAL7035, with mounting plate, with 3-point rod lock and swing handle, with 2x gland plate cutouts each W=400 D=190mm, type E



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: WSA8012309 to WSA1410409
- **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
- **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 WSA1410409
- 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:
 - 1x sash lock with double-bit insert: WSA3025150 to WSA4060210
 - 2x sash locks with double-bit insert: WSA5030210 to WSA1008409
 - 1x 3-point-lock with door lock: WSA1206300 to WSA1208409
 - Double door:
 - 4x sash locks with double-bit insert: WSA6080302 to WSA1010309
 - 1x 3-point-lock with mini-swing handle: WSA1210309 to WSA1410409
 - 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

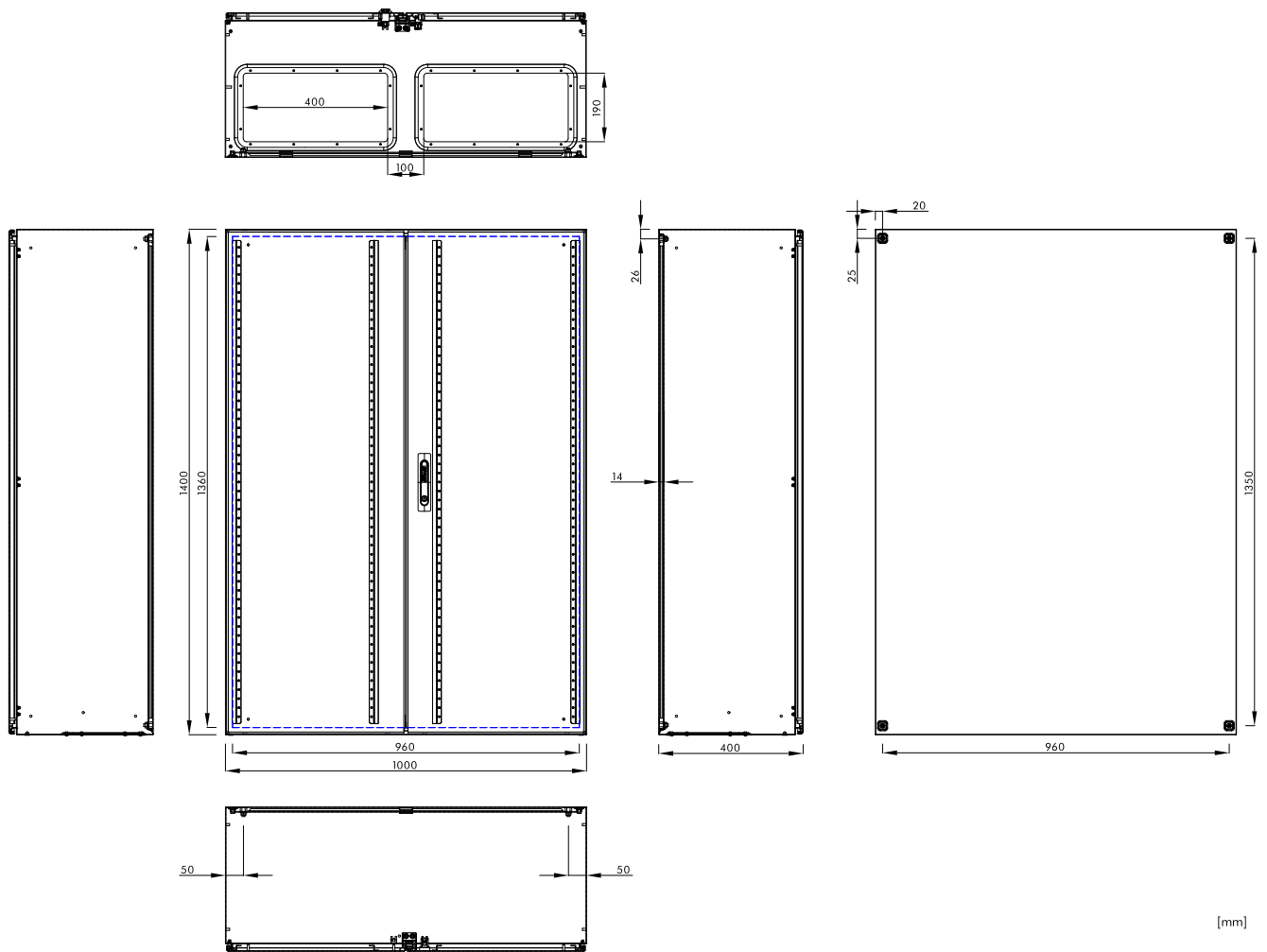
Technical Data

Net width (mm)	1.000,00
Net height (mm)	1.400,00
Netto depth (mm)	400,00
Net weight (kg)	88,00
Min. ambient temperature (°C)	-40
Max. ambient temperature (°C)	100
Supply includes	Complete enclosure + mounting plate + gland plates + double bit key + accessory pack
Product standard	EN 62208
IP Rating	IP54
Protection class	I
Impact Resistance	IK10
Rated voltage	1000V AC / 1500V DC
Colour	RAL 7035 (Light grey)
Width (mm)	1000
Height (mm)	1400
Depth (mm)	400

Technical Data - continued

Corpus wall thickness (mm)	1,50
Mounting plate	galvanized sheet steel 2mm
Mounting plate wall thickness (mm)	2
Mounting plate width (mm)	950
Mounting plate height (mm)	1375
Door wall thickness (mm)	2
Load capacity per door (kg)	30
Number of doors	2
Product category	Wall-mounted Enclosure Sheet Steel
Total Load Capacity (kg)	280
Mounting Plate Load Capacity (kg)	250
Number of gland plates	2
Door reinforcement	Included
Lock	2
Hinge	6
Gland plate Type	E
Gland plate width (mm)	400
Gland plate depth (mm)	190
Rear wall mounting	4
Power loss (W)	-679,00

Dimension Drawing



Datei Tabelle: Wall-mounted enclosure 2 doors IP54 H=1400 W=1000 D=400mm

Article number	Enclosure (mm)			Wall thickness (mm)		DR	Clearance depth D1 (mm)	Door		Gland plates				Rear panel	Mounting plate (mm)		
	H	W	D	Corpus	Door	(mm)		locks	hinges	WG (mm)	DG (mm)	Type	Pcs.	Number of fixings	HM	WM	DM
WSA1210302	1200	1000	300	1.5	2	2x 356	283	1 SH*	6	420	100	H	2	4	1175	950	12
WSA1212302	1200	1200	300	1.5	2	2x 456	283	1 SH*	6	520	100	K	2	4	1175	1150	12
WSA1212402	1200	1200	400	1.5	2	2x 456	383	1 SH*	6	520	200	L	2	4	1175	1150	12
WSA1410302	1400	1000	300	1.5	2	2x 356	283	1 SH*	6	420	100	H	2	4	1375	950	12
WSA1410402	1400	1000	400	1.5	2	2x 356	383	1 SH*	6	420	200	I	2	4	1375	950	12

*SH = Mini-Swing handle

Article Table

DESCRIPTION	Order No.
Wall-mounted enclosure 2 doors IP54 H=1400 W=1000 D=400mm sheet steel, RAL7035, with mounting plate, with 3-point rod lock and swing handle, with 2x gland plate cutouts each W=400 D=190mm, type E	WSA1410409
Optional Accessories	
LED lighth for EC, infra (not available in this country)	IU006519CZ
Wall-mounting brackets for WSA, WKT, WKA and BUS enclosures galvanized, PU=4 pieces	WSAWB004
Knitted earthing cable 260mm long, blank	WSTCUF260
WSA Cable entry gland plate for type E, with foam rubber suitable for WSA5050300, WSA6050300 and WSA6050305	WSAMFR0E
WSA Adapter gland plate for type E with 1 gland plate opening, for WSA5050300, WSA6050300 and WSA6050305	WSAVBF06
Plastic gland plate for WSAVBF, 17 cable glands, IP55 9x 18-30mm, 4x 10-15mm, 4x 5-10mm, 4x plastic rivets for installation included	WSTBT2117G
Plastic gland plate for WSAVBF, 25 cable glands IP65 1x 20-26mm, 16x 8-14mm, 4x 14-20mm, 4x 5-7mm, 4x plastic rivets for installation included	WSTBT2125G
Plastic gland plate for WSAVBF, 6 cable glands, IP65 2x 24-54mm, 1x 30-59mm, 3x 6-14mm, 4x plastic rivets for installation included	WSTBT2130G
Plastic gland plate for WSAVBF, 35 cable glands, IP65 1x 17-32mm, 2x 12-18mm, 16x 10-14mm, 12x 7-12mm, 4x 6-10mm, 4x plastic rivets for installation included	WSTBT2135G
Plastic gland plate for WSAVBF, 50 cable glands, IP65 49x 7-13mm, 1x 15-25mm, 4x plastic rivets for installation included	WSTBT2150G
Plinth front and rear part W=1000 H=100 mm sheet steel RAL7012, PU=2 pieces	ATSOB101
WSA Plinth side parts (pair) D=400 H=100mm sheet steel, RAL7012	WSASOT041
WSA Mini-Swing handle with half cylinder insert EK 333 associated key = DV905334 (identical key)	WSAS5333
WSA Mini-Swing handle with push-button suitable for WSA1206300, WSA1206400, WSA1208300, WSA1208400, WSA1210302, WSA1212302, WSA1212402, WSA1410302 and WSA1410402	WSAS3531
Quarter turn for half cylinder instead of double-bit lock IP65, for half cylinder 40mm	IU001925
Swing handle with cover IP65 for half cylinder 40mm Polyamid GF black	IU001225
Swing handle IP40 for half cylinder locks 40mm	IU001903
WSA Door lock with 5mm double-bit insert associated key = DV903532	WSAG3532

Article Table

DESCRIPTION	Order No.
Optional Accessories	
WSA Door-mounting profile for 1000mm wide enclosures PU=1 piece	WSACP1000
WSA Door switch 6A/230V~, IP40 1x normally open (NO) and 1x normally closed contact (NC), plastic, suitable for WSA enclosures beginning from HxW 400x400mm	WSADSW01
WSA Door restrictor, suitable for all sizes	WSADSTP2