

Data Sheet for Article: WSA4050210

Wall-mounted enclosure 1 door IP66 H=400 W=500 D=210mm

sheet steel, RAL7035, with mounting plate, with 1 x double-bit lock, with 1 x gland plate cutout
W=400 D=115mm, type D



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
 - 2x sash locks with double-bit insert: WSA5030210 to WSA1008400
 - 1 x 3-point-lock with door lock: WSA1206300 to WSA1208400
 - Double door:
 - 4x 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



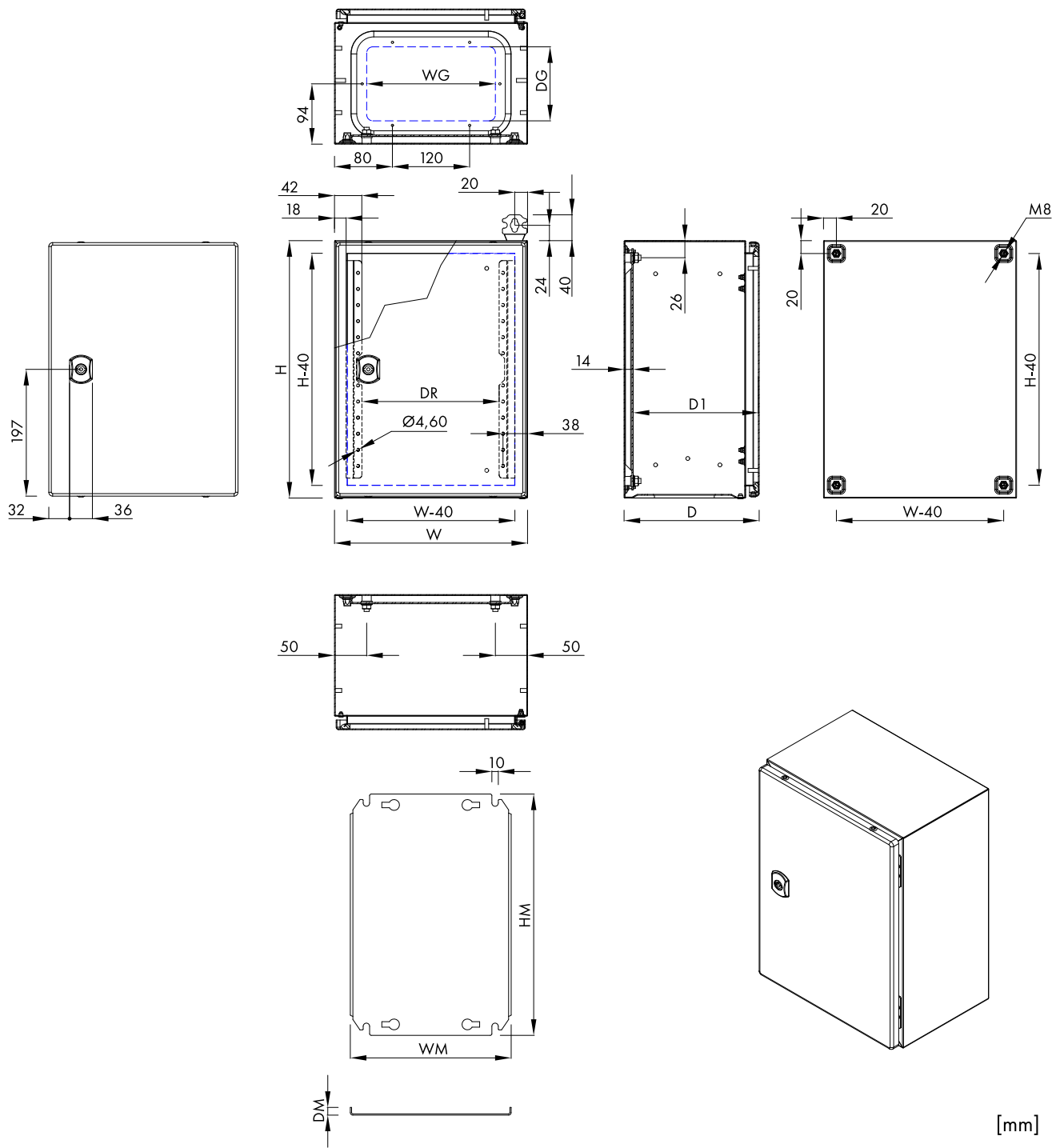
Technical Data

Net width (mm)	500,00
Net height (mm)	400,00
Netto depth (mm)	210,00
Net weight (kg)	12,26
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)	500
Height (mm)	400
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)	450
Mounting plate height (mm)	375
Door wall thickness (mm)	1,20
Load capacity per door (kg)	2
Number of doors	1
Product category	Wall-mounted Enclosure Sheet Steel
Total Load Capacity (kg)	62
Mounting Plate Load Capacity (kg)	60
Number of gland plates	1
Door reinforcement	Included
Lock	1
Hinge	2
Gland plate Type	B
Gland plate width (mm)	300
Gland plate depth (mm)	115
Rear wall mounting	4
Power loss (W)	-111,00

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
WSA3025150	300	250	150	1.2	1.2	-	135	1	2	-	-	-	-	4	275	200	12
WSA3025210	300	250	210	1.2	1.2	-	195	1	2	-	-	-	-	4	275	200	12
WSA3030150	300	300	150	1.2	1.2	-	135	1	2	-	-	-	-	4	275	250	12
WSA3030210	300	300	210	1.2	1.2	-	195	1	2	200	115	A	1	4	275	250	12
WSA3040150	300	400	150	1.2	1.2	-	135	1	2	-	-	-	-	4	275	350	12
WSA3525150	350	250	150	1.2	1.2	-	135	1	2	-	-	-	-	4	325	200	12
WSA4030150	400	300	150	1.2	1.2	-	135	1	2	-	-	-	-	4	375	250	12
WSA4030210	400	300	210	1.2	1.2	-	195	1	2	200	115	A	1	4	375	250	12
WSA4040210	400	400	210	1.2	1.2	313	195	1	2	300	115	B	1	4	375	350	12
WSA4050210	400	500	210	1.2	1.2	413	195	1	2	400	115	D	1	4	375	450	12
WSA4060210	400	600	210	1.2	1.2	513	195	1	2	500	115	F	1	4	375	550	12

Article Table

DESCRIPTION	Order No.
Wall-mounted enclosure 1 door IP66 H=400 W=500 D=210mm sheet steel, RAL7035, with mounting plate, with 1x double-bit lock, with 1x gland plate cutout W=400 D=115mm, type D	WSA4050210
Optional Accessories	
LED ligh 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 Adapter gland plate for type D with 1 gland plate opening, for WSA4050210, WSA5050210, WSA6050210, WSA6050260, WSA7050210 and WSA7050260	WSAVBF03
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, 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, 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
WSA Cable entry gland plate for type D, with 14 entries cable entries 9xM16, 4xM20, 1xM25 with blind glands, gland plate cutout W=400 D=115mm	WSAFA0D1

Article Table

DESCRIPTION	Order No.
Optional Accessories	
WSA Cable entry gland plate for type D, with 29 entries cable entries 18xM16, 5xM20, 4xM25, 2xM32 with blind glands, gland plate cutout W=400 D=115mm	WSAFA0D2
WSA Cable entry gland plate for type D, with 31 entries cable entries 18xM16, 5xM20, 4xM25, 2xM32 with blind glands, gland plate cutout W=400 D=115mm	WSAFA0D3
WSA Cable entry gland plate for type D, with foam rubber suitable for WSA4050210, WSA5050210, WSA6050210, WSA6050260, WSA7050210 and WSA7050260	WSAMFR0D
Quarter turn for half cylinder instead of double-bit lock 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-mounting profile for 500mm wide enclosures and for WSA1010309, PU=1 piece	WSACP0500
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
WSA Protective roof for W=400 D=210mm suitable for WSA4040210, WSA5040210, WSA6040210 and WSA6040211	WSAD4021