

Data Sheet for Article: WSI5040200

Wall-mounted enclosure 1 door IP66 H=500 W=400 D=200mm

sheet steel, RAL7035, with mounting plate, with 2x double-bit lock, with 1x gland plate
W=285 D=125mm, type 5



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:**
 - 1.2mm: WSI3030150 to WSI6050200
 - 1.5mm: WSI6060200 to WSI1208300
- **Gland plates:**
 - Blind gland plates made of 2mm powder-coated sheet steel
 - The cable entry is possible via the gland plate openings in the floor 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: WSI3030150 to WSI6040200
 - 1,5mm: WSI6050200 to WSI8080300
 - 2mm: WSI1006250 to WSI1208300
 - All enclosures are fitted with preassembled door-mounting profiles, which also serve for rail fastening. The door is secured with two and from a height of 800mm with three hinges and has a 110° opening angle 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:**
 - 1x sash lock with double-bit insert: WSI3030150 to WSI4040200
 - 2x sash locks with double-bit insert: WSI5040200 to WSI8080300
 - 1x 3-point-lock with double-bit insert: WSI1006250 to WSI1208300
 - Single door enclosures from a height of 500mm have two sash locks and a 3-point-lock from a height of 1000mm (see technical table for a detailed overview). The lock insert for both locking systems is a 5mm double-bit lock
- **Mounting plate:**
 - 2mm galvanised sheet steel
 - For enclosures from a height of 600mm, the panels are folded on the sides to increase rigidity
 - For enclosures up to 700mm high, the mounting plate is not mounted and is supplied loose in the packaging.
 - From a height of 800mm, the mounting plate is supplied mounted in the housing
 - 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 WSIWB004, 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 9mm 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
- **Outdoor installation:**
 - Enclosures and accessories in the WSI series meet the requirements of standard IEC 62208 for metallic enclosures that are to be installed outdoors
 - The standard IEC 62208 allows for a degree of rusting Ri1, in accordance with ISO 4628-3, and although in practice this degree of rusting does not affect the function or mechanical solidity of the enclosure, maintenance to avoid its aesthetic deterioration and to prolong its useful life is recommended (see below)
 - Also recommended is the use of a rain hood (WSTD...) and a corresponding corrosion protection for the whole enclosure
- **Degree of protection:** Single door IP66
- **Impact resistance:** IK10
- **Finish:** Hardened polyester paint coating RAL 7035, matt, 80-120µm, with UV protection
- **Color:** RAL 7035 (Light grey)
- **Delivery includes:**
 - Enclosure with two door-mounting profiles (from enclosure width 300mm 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 in the WSI series meet the requirements of standard **IEC 62208** for metallic enclosures that are to be installed outdoors
- The standard IEC 62208 allows for a degree of **rusting Ri1**, in accordance with ISO 4628-3, and although in practice this degree of rusting does not affect the function or mechanical solidity of the enclosure, maintenance to avoid its 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)	400,00
Net height (mm)	500,00
Netto depth (mm)	200,00
Net weight (kg)	12,10
Min. ambient temperature (°C)	-25
Max. ambient temperature (°C)	60
Product category	Wall-mounted enclosure sheet steel
Height (mm)	500
Width (mm)	400
Depth (mm)	200
Total Load Capacity (kg)	225
Corpus wall thickness (mm)	1,20
IP Rating	IP66
Mounting plate	galvanized sheet steel 2mm
Mounting Plate Load Capacity (kg)	200
Mounting plate height (mm)	470
Mounting plate width (mm)	350
Number of doors	1
Load capacity per door (kg)	25
Number of gland plates	1
Door wall thickness (mm)	1,20
Door reinforcement	2
Lock	2
Hinge	2
Gland plate Type	5
Gland plate width (mm)	285
Gland plate depth (mm)	125
Rear wall mounting	4
Colour	RAL 7035 (Light grey)
Power loss (W)	-110,00
Protection class	I

Technical Table WSI

Article number	Housing (mm)			Wall thickness (mm)			Doors		Gland plate cutouts				Mounting plate (mm)			Rear panel	Weight (kg)	Radiant power loss (W)*
	H	W	D	Corpus	Door	Mounting plate	Number of Locks	Hinges	WF (mm)	DF (mm)	Type	Pcs.	HM	WM	DM	Number of fixings		
With mounting plate																		
WSI3030150	300	300	150	1.2	1.2	2	1	2	185	65	2	1	270	250	2	4	5.8	-52
WSI4030200	400	300	200	1.2	1.2	2	1	2	215	125	3	1	370	250	2	4	8.1	-76
WSI4040200	400	400	200	1.2	1.2	2	1	2	285	125	5	1	370	350	2	4	10.1	-92
WSI5040200	500	400	200	1.2	1.2	2	2	2	285	125	5	1	470	350	2	4	12.1	-110
WSI6040200	600	400	200	1.2	1.2	2	2	2	285	125	5	1	570	350	2	4	14.1	-128
WSI6050200	600	500	200	1.2	1.5	2	2	2	385	125	6	1	570	450	2	4	17.6	-149
WSI6060200	600	600	200	1.5	1.5	2	2	2	485	125	7	1	570	550	2	4	22.4	-171
WSI6060300	600	600	300	1.5	1.5	2	2	2	485	125	7	1	570	550	2	4	25.4	-208
WSI8060200	800	600	200	1.5	1.5	2	2	3	485	125	7	1	770	550	12	4	28.9	-217
WSI8060300	800	600	300	1.5	1.5	2	2	3	485	125	7	1	770	550	12	4	32.5	-261
WSI8080300	800	800	300	1.5	1.5	2	2	3	685	125	8	1	770	750	12	4	41.1	-320
WSI1006250	1000	600	250	1.5	2	2	1	3	485	125	7	1	970	550	12	4	40.1	-289
WSI1008300	1000	800	300	1.5	2	2	1	3	685	125	8	1	970	750	12	4	53.1	-384
WSI1208300	1200	800	300	1.5	2	2	1	3	685	125	8	1	1170	750	12	4	62.1	-448

* Max. radiated power of housing calculated as a wall-mounted single fixed with $\Delta T = 35K$.

Article Table

DESCRIPTION	Order No.
Wall-mounted enclosure 1 door IP66 H=500 W=400 D=200mm sheet steel, RAL7035, with mounting plate, with 2x double-bit lock, with 1x gland plate W=285 D=125mm, type 5	WSI5040200
Optional Accessories	
Wall-mounting brackets for WSI enclosures PU=4 pcs.	WSIWB004
Modular chassis 3-rows each 16 MW, with DIN-rails for WSI enclosures with H=500 W=400mm	WSIIE5040P
Adapter gland plate for WSI enclosures W=285 D=125mm, type 5 with one gland plate opening, RAL7035	WSI211430
Rain canopy, W=400 D=200mm for WSI4040200, WSI5040200 and WSI6040200	WSID4020
Sash lock with 5mm double-bit insert for WSI associated key = DV903532	WSIL3532
Key for 5mm double-bit insert PU=1 piece	DV903532
Document pocket, self-adhesive and screwable, DIN A5	ASDRA500-B
Knitted earthing cable 150mm long, blank	WSICUF150