



Small sheet steel enclosures

The STB series is designed to be used as an electrical distribution enclosure, particularly for lighting and weighing applications and also in building automation systems. The stainless steel versions are recommended for the chemical and food industry due to the harsh environmental demands required.

Features:

- 8 sizes in 2 material versions
- Lid with 4 hexagonal crosshead screws M 6
- Internal/External earthing stud
- Fixing lugs

Our assembly service can supply these enclosures preassembled with terminals and cable glands according to customer requirements.



Technical data

Material	Sheet steel or stainless steel 316L 1.50 mm
Surface painted	Light grey textured protective paint (similar to RAL 7032)
Surface stainless steel	Polished, chemically dipped
Gasket size 1 – 4	Chloroprene solid rubber (silicone optional)
Gasket size 5 – 6	Chloroprene closed cell sponge (silicone optional)
Cover lid fixing	4 captive hexagonal crosshead screws M 6
Earthing	Internal/External brass earthing stud M 6
Enclosure mounting	External mounting lugs with 8 mm holes
Equipment mounting	TAS 20 rail welded to enclosure base
Protection class	IP 66
Impact resistance	7 J
Temperature range	–20 °C to + 85 °C (Ex silicone –50 °C to + 135 °C)

Approvals

Temperature range –50 °C to + 135 °C (silicone)

KEMA 02ATEX2087 U

Ex II 2 GD EEx e II

KEMA 00ATEX8500 X

II 2 G EEx e II

II 2 D T100°C

Ex II 1 G EEx ia IIC T6

II 2 D T100°C

II 2 (1) G EEx e [ia] IIC T6

II 2 D T100°C

Overview of enclosures

Type H x W x D	120 x 120 x 80	150 x 120 x 80	150 x 150 x 90	190 x 150 x 90	190 x 190 x 100	250 x 250 x 120
Stainless steel	3873300000	9524780000	3873700000	9524800000	9513890000	9513920000
Sheet steel painted (RAL 7032)	3873100000	9524770000	3873500000	9524790000	9513870000	9513900000

Type H x W x D	160 x 380 x 120	250 x 400 x 130
Stainless steel	9505300000	9505310000
Sheet steel painted (RAL 7032)	9505260000	9505270000

Note: Please specify ambient temperature of application when ordering and also note gasket material (e.g. –50 °C / silicone gasket)

Sheet steel enclosure for small distribution units



Height x Width x Depth mm
Weight g

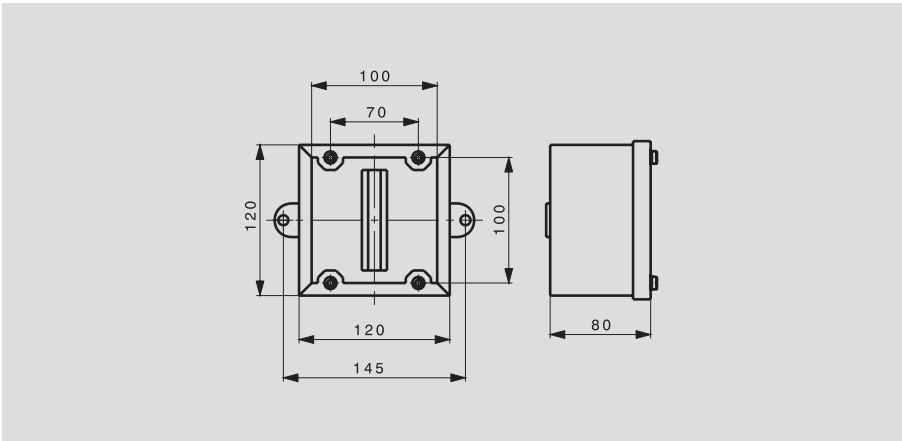
Ordering data

stainless steel	Order No.
	3873300000
painted sheet steel, RAL 7032	Order No.
	3873100000
Note Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).	

Accessories

Square nut with screw	Order No.
 M3	3875100000
M4	0500000000
M5	0433500000

STB 1



120 x 120 x 80
1400

Technical data

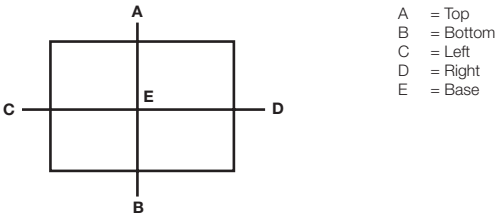
Terminal content	vertical	horizontal
	2.5 mm 1x7	1x11
	4 mm 1x6	1x9
	6 mm 1x5	1x7
	10 mm 1x4	1x6
	16 mm 1x3	1x5

Note
Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
 M 12	8	9
M 16	6	6
M 20	3	4
M 25	2	2
M 32	1	1
M 40		1
M 50		
M 63		

Enclosure sides - ID



Note **Note** ** Our IP68 brass cable glands serve as a reference for these recommended values.

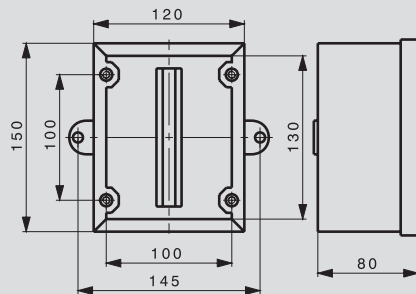
STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 1.1



150 x 120 x 80
1550

Ordering data

stainless steel	Order No.
	9524780000
painted sheet steel, RAL 7032	Order No.
	9524770000
Note Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).	

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000

Technical data

Terminal content	vertical	horizontal
2.5 mm	1x13	1x11
4 mm	1x11	1x9
6 mm	1x8	1x7
10 mm	1x7	1x6
16 mm	1x5	1x5

Note

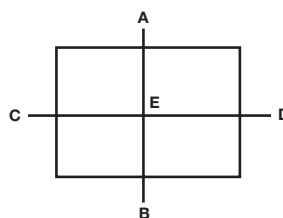
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Recommendation:
TS 35 DIN Rail (screw clamp terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000
TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	11	14
M 16	6	8
M 20	5	6
M 25	2	3
M 32	1	2
M 40	1	1
M 50		
M 63		

Enclosure sides - ID



A = Top
B = Bottom
C = Left
D = Right
E = Base

Note

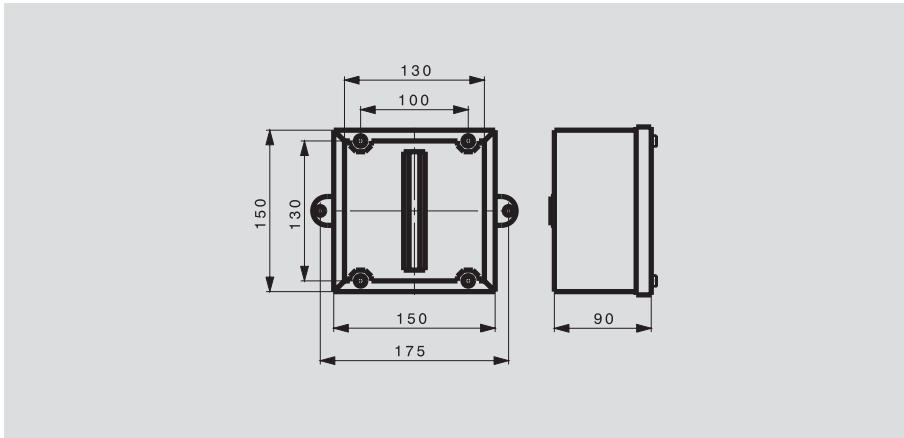
Note ** Our IP68 brass cable glands serve as a reference for these recommended values.

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 2



150 x 150 x 90
1900

Ordering data

stainless steel	Order No.
	3873700000
painted sheet steel, RAL 7032	Order No.
	3873500000
Note	Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000

Technical data

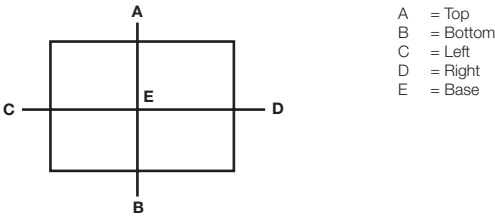
Terminal content	vertical	horizontal
	2.5 mm 1x13	1x11
	4 mm 1x11	1x9
	6 mm 1x8	1x7
	10 mm 1x7	1x6
	16 mm 1x5	1x5

Note
Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
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TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	10	14
M 16	10	8
M 20	4	6
M 25	3	3
M 32	2	2
M 40		1
M 50		
M 63		

Enclosure sides - ID



Note **Note** ** Our IP68 brass cable glands serve as a reference for these recommended values.

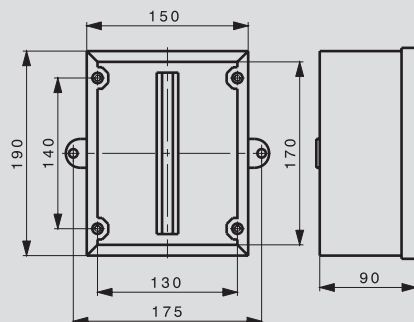
STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 2.1



190 x 150 x 90
1960

Ordering data

stainless steel	Order No.
	9524800000
painted sheet steel, RAL 7032	Order No.
	9524790000
Note	Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000

Technical data

Terminal content	vertical	horizontal
2.5 mm	1x21	1x11
4 mm	1x17	1x9
6 mm	1x13	1x7
10 mm	1x10	1x6
16 mm	1x9	1x5

Note

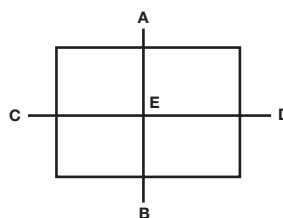
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TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	10	20
M 16	10	12
M 20	4	8
M 25	3	4
M 32	2	3
M 40		2
M 50		
M 63		

Enclosure sides - ID



A = Top
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Note

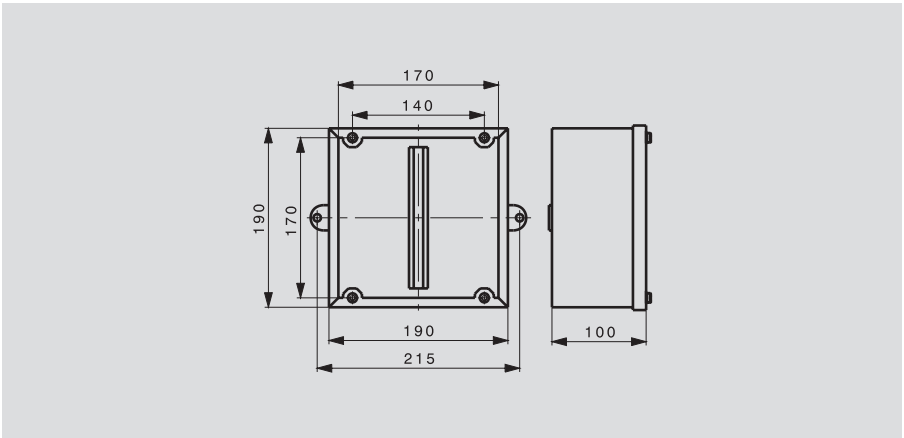
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Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 3



190 x 190 x 100
3000

Ordering data

stainless steel	Order No.
	9513890000
painted sheet steel, RAL 7032	Order No.
	9513870000
Note	Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).

Accessories

Square nut with screw	Order No.
	M3 3875100000
	M4 0500000000
	M5 0433500000

Technical data

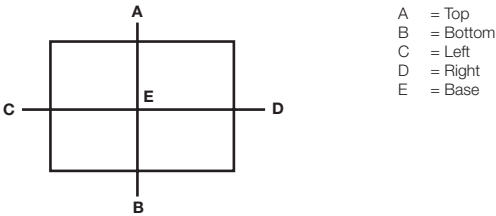
Terminal content	vertical	horizontal
	2.5 mm 1x21	1x11
	4 mm 1x17	1x9
	6 mm 1x13	1x7
	10 mm 1x10	1x6
	16 mm 1x9	1x5

Note
Terminal rails should be fitted directly.
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TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	21	21
M 16	12	19
M 20	10	8
M 25	4	7
M 32	3	3
M 40	2	2
M 50		
M 63		

Enclosure sides - ID



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- D = Right
- E = Base

Note

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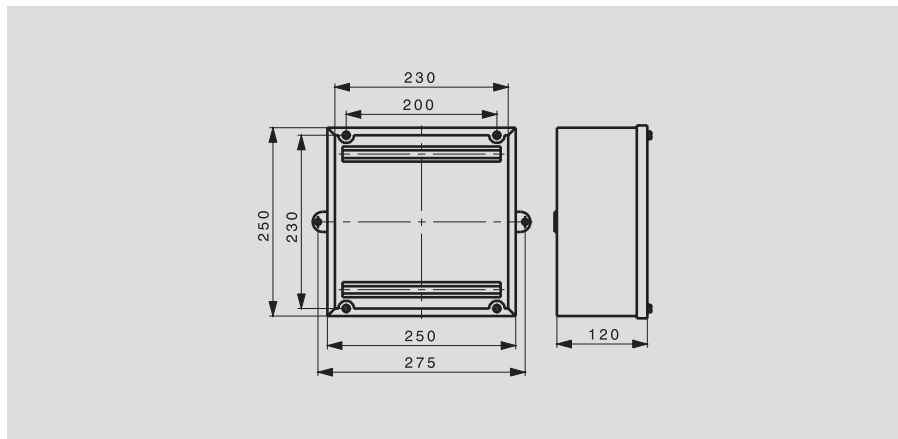
STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 4



250 x 250 x 120
3700

Ordering data

stainless steel	Order No.
	9513920000
painted sheet steel, RAL 7032	Order No.
	9513900000
Note Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).	

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000

Technical data

Terminal content	vertical	horizontal
2.5 mm	2x31	1x32
4 mm	2x26	1x27
6 mm	2x19	1x20
10 mm	2x15	1x16
16 mm	2x13	1x14

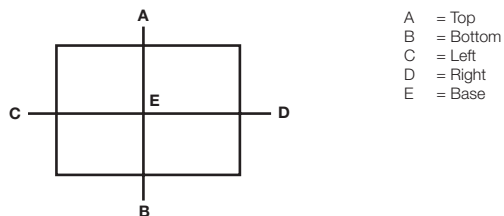
Note

Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
Recommendation:
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TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	44	38
M 16	30	32
M 20	23	20
M 25	12	10
M 32	5	7
M 40	4	3
M 50	3	2
M 63		1

Enclosure sides - ID



Note

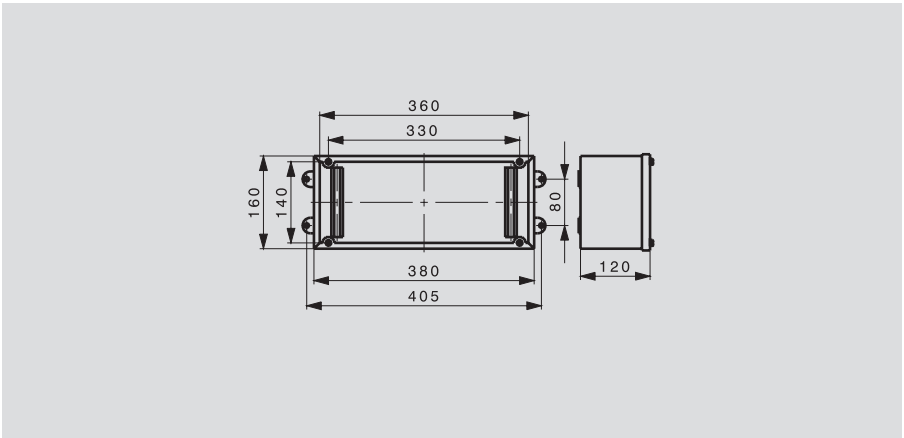
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Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 5



160 x 380 x 120
3700

Ordering data

stainless steel	Order No.
	9505300000
painted sheet steel, RAL 7032	Order No.
	9505260000
Note	Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000

Technical data

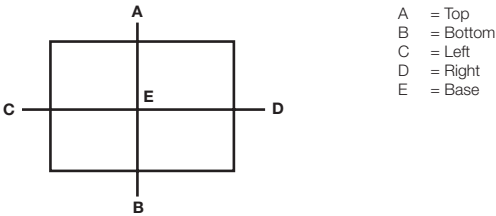
Terminal content	vertical	horizontal
	2.5 mm 3x15	1x54
	4 mm 3x13	1x45
	6 mm 3x9	1x34
	10 mm 3x7	1x27
	16 mm 3x6	1x23

Note
Terminal rails should be fitted directly.
The assembly with modular terminals includes a 10 mm space at each end of the terminal rail.
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TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **

	A / B	C / D
M 12	64	20
M 16	42	18
M 20	33	11
M 25	18	6
M 32	7	4
M 40	6	2
M 50	4	1
M 63		1

Enclosure sides - ID



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Note

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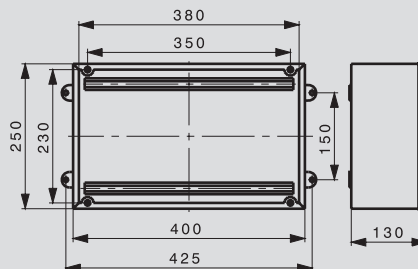
STB - Steel enclosures

Sheet steel enclosure for small distribution units



Height x Width x Depth	mm
Weight	g

STB 6



250 x 400 x 130
5400

Ordering data

stainless steel	Order No.
	9505310000
painted sheet steel, RAL 7032	Order No.
	9505270000
Note Please state the ambient temperature of the enclosure when ordering (e.g. -50°C/silicone seal).	

Accessories

Square nut with screw	Order No.
M3	3875100000
M4	0500000000
M5	0433500000

Technical data

Terminal content	vertical	horizontal
2.5 mm	3x31	1x61
4 mm	3x26	1x51
6 mm	3x19	1x39
10 mm	3x15	1x31
16 mm	3x13	1x26



Note

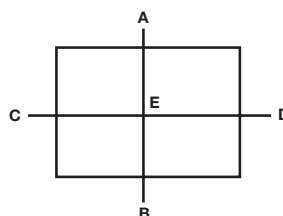
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TS 32 DIN Rail (screw clamp terminal) SAK 2.5 0279660000
TS 15 DIN Rail (screw clamp terminal) AKZ 2.5 0697160000

Max. number of cable entries per enclosure side **



	A / B	C / D
M 12	85	48
M 16	60	32
M 20	35	20
M 25	18	10
M 32	14	8
M 40	6	3
M 50	5	2
M 63	4	2

Enclosure sides - ID



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C = Left
D = Right
E = Base

Note

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