

Enclosures

Enclosures	Introduction	B.2
	Klippon® TB MH - Multi Hinge	B.10
	Klippon® TB QL - Quarter Lock	B.36
	Klippon® TB - System accessories	B.61
	Klippon® STB - Sheet steel enclosures	B.62
	Klippon® K - Aluminium enclosures	B.72
	Klippon® POK - Polyester enclosures	B.94
	TBF - Polyester enclosures	B.114
	MPC - Polycarbonate enclosures	B.122
	FPC - Polycarbonate enclosures	B.130

Introduction

Metal enclosures



	Klippon® TB MH	Klippon® TB QL	Klippon® STB		Klippon® K	
						
Material	Stainless steel	Stainless steel	Stainless steel	Sheet steel	Aluminium	
Material Specification	Stainless steel 1.4404 (316L) 1.50 mm	Stainless steel 1.4404 (316L), enclosure 1.50 mm	Stainless steel 1.4404 (316L) 1.50 mm	Powder-coated steel sheet 1.0330	High quality aluminium alloy (Al-Si12)	
Sea water resistance	very good	very good	very good	good	good	
UV resistance	very good	very good	very good	powder-coated	very good	
Free from halogens	x	x	x	x	x	
Cadmium free	x	x	x	x	x	
Surface finish	electropolished	electropolished	electropolished, Mirror-polish	powder-coated	neutral, powder-coated	
Intended use	Explosive hazard areas, offshore, oil and gas industry, chemical industry, process industry	Explosive hazard areas, offshore, oil and gas industry, chemical industry, process industry	Ex areas, packing industry, railways, shipping, railways, shipping, process industry	Packing industry, railways, shipping, process industry	Ex-areas, process industry, transport, railways, shipping, port facilities, packaging, mechanical engineering	
Dimensions						
L x W x H (min.) in mm	229x152x133	229x152x133	120x120x80		50x45x30	
L x W x H (max) in mm	987x740x200	987x740x200	250x400x130		230x280x111	
Geometry	3 standard depths	3 standard depths	5 standard depths		11 standard depths	
Specific characteristics			Ex-version	Industrial version	Ex-version	Industrial version
Gland plates	0,1,2,3,4	0,1,2,3,4	none	none	none	none
Type of gasket	Flat gasket	Flat gasket	Flat gasket	Flat gasket	Shaped gasket	Shaped gasket
Seal material	Silicone	Silicone	Silicone	Silicone	Silicone	Chloroprene, Silicone
Enclosure attachment	4 mounting feet with 11 mm hole size	4 mounting feet with 11 mm hole size	External holders with 8 mm holes	External holders with 8 mm holes	4 holes for M4 to M6 screws	4 holes for M4 to M6 screws
Installation mounting	4 or 6 mounting bolts with M6 threaded holes	4 or 6 mounting bolts with M6 threaded holes	20 mm C-rail welded to the enclosure	20 mm C-rail welded to the enclosure	M4 to M6 threaded holes	M4 to M6 threaded holes
Temperature range	-60 °C...+135 °C	-60 °C...135 °C	-60 °C...100 °C	-60 °C...120 °C	-50 °C...135 °C	-40 °C...+80 °C (CR); -50 °C...+135 °C (VMQ)
Impact resistance	10 J Industrial applications 7 J ATEX applications	10 J Industrial applications 7 J ATEX applications	7 J	10 J	7 J	10 J
IP - protection class	IP 66, IP 67	IP 66	IP 66	IP 66	IP 66, IP 67 and Nema 4X	IP 66, IP 67, IP68 and Nema 4X
Flammability rating						
Surface resistance (in ohms)						
Approvals						
ATEX	x	x	x		x	
- EN60079-7 Increased safety	x	x	x		x	
- EN60079-11 Intrinsic safety	x	x	x		x	
IECEX	x	x				
- IEC60079-7 Increased safety	x	x				
- IEC60079-11 Intrinsic safety	x	x				
GOST Ex	x	x			x	x
GOST	*	*			x	x
cULus	x	x	x	*		x
UL						x
German Lloyd	x	x	x			x
Lloyds Register			x	*		
Russian Maritime Register	x	x			x	x
CCOE	*					
Configuration						
	Lid hinges Removable lid Gland plates Welded mounting feet Fitting for a padlock	Lid hinges Gland plates Welded mounting feet Quarter lock	TAS 20 C-profile rail Welded mounting feet Earth studs in enclosure lid and base		Internal earthing screw in the enclosure base an external earth stud	internal earthing screw in the enclosure base

* Approvals are pending

Plastic enclosures



	Klippon® POK		TBF	MPC	FPC
					
Material	Polyester		Polyester	Polycarbonate	Polycarbonate
Material Specification	Glass-fibre reinforced polyester in accordance with DIN 16913		Glass-fibre reinforced polyester, polycarbonate transparent cover		
Sea water resistance	very good		very good	very good	very good
UV resistance	good		good	good	good
Free from halogens	x		x	x	x
Cadmium free	x		x	x	x
Surface finish	Grey (industrial version), Black (Ex version)		grey	grey	grey
Intended use	Ex-areas, energy production, transportation, process industries, port facilities		Building installation, transportation, energy production, building sites, manufacturing industry, packaging industry	Building installation, transportation, energy production, building sites, manufacturing industry, packaging industry	Building installation, transportation, energy production, building sites, manufacturing industry, packaging industry
Dimensions					
L x W x H (min.) in mm	75x80x55		186x151x139	125x75x75	200x200x130
L x W x H (max) in mm	250x400x160		603x603x175/210	250x175x150	600x400x130
Geometry	6 standard depths		3 standard depths	4 standard depths	1 standard depth
Specific characteristics					
	Ex version (Black)	Industrial version (grey)			
Gland plates	none	none	none	none	none
Type of gasket	O-ring	O-ring	O-ring	Foam seal	Foam seal
Seal material	Silicone	Chloroprene	Polyurethane	Polyurethane	Polyurethane
Enclosure attachment	4 holes for M4 to M6 screws	4 holes for M4 to M6 screws	4 holes or external mounting brackets (accessory)	4 holes or external mounting brackets (accessory)	4 holes or external mounting brackets (accessory)
Installation mounting	M4 to M6 threaded holes	M4 to M6 threaded holes	4 or 6 clamping screws M4	Self-tapping screws	Self-tapping screws
Temperature range	-55 °C...+100 °C	-40 °C...+90 °C	-50 °C...+150 °C (grey); -50 °C...+130 °C (transparent)	-50 °C...+130 °C	-50 °C...+130 °C
Impact resistance	7 J	7 J	4 J (grey lid) 7 J (transparent lid)	7J	7J
IP - protection class	IP 66	IP 66	IP 66 (transparent lid) IP 67 (grey lid)	IP 66, IP 67	IP 66, IP 67
Flammability rating	UL94 V0	UL94 V0	UL94 HB (grey lid) V2 (transparent lid)	V2	V2
Surface resistance (in ohms)	<10^9	10^12	10^12	10^16	10^16
Approvals					
ATEX	x				
- EN60079-7 Increased safety	x				
- EN60079-11 Intrinsic safety					
IECEx					
- IEC60079-7 Increased safety					
- IEC60079-11 Intrinsic safety					
GOST Ex	x				
GOST	x	x			
cULus		x			
UL					
German Lloyd					
Lloyds Register		x			
Russian Maritime Register	x	x			
Configuration					
	Fastening screws for the mounting plate		grey or transparent lid	grey or transparent lid	grey or transparent lid

* Approvals are pending

Overview of dimensions

Klippon® TB MH – Multi Hinge / Klippon® TB QL – Quarter Lock

Page B.10

	Dimensions [mm] Height x width x depth	Weight [g]			
		1 gland plate	2 gland plates	3 gland plates	4 gland plates
	229 x 152 x 133	3060	3360	3740	4060
	260 x 260 x 150	4840	5510	5780	6680
	260 x 260 x 200	5620	6400	6840	8200
	306 x 306 x 150	5960	6580	7060	7660
	306 x 306 x 200	6800	7720	8320	9180
	350 x 260 x 150	5780	6700	7600	9700
	350 x 260 x 200	6700	7700	8380	10100
	400 x 300 x 150	7200	8300	8380	11100
	400 x 300 x 200	7900	9200	10400	11300
	458 x 382 x 150	9000	9900	10700	12700
	458 x 382 x 200	10240	10830	12500	14110
	480 x 480 x 150	11900	13800	15200	17600
	480 x 480 x 200	12420	15900	17700	16080
	550 x 350 x 150	8500	9500	10800	12100
	550 x 350 x 200	11060	11500	13800	14720
	620 x 450 x 150	12800	14100	15600	17100
	620 x 450 x 200	14240	15830	17360	20350
	762 x 508 x 150	17100	18600	19700	20800
	762 x 508 x 200	18120	19800	21200	22700
	914 x 610 x 150	20700	22200	24100	26000
	914 x 610 x 200	23840	24600	26400	28200
	980 x 740 x 200	34800	36300	36100	39900

Note: Additional enclosure sizes available on request. The weights given are net weights. Enclosures without gland plates are available on request.

Klippon® STB

Page B.62

		Dimensions [mm] Height x width x depth	Weight [g]
	1.4404 (316L), mirror polished	120 x 120 x 80	1250
	1.4404 (316L), electropolished		1220
	MS RAL 7032		1277
	1.4404 (316L), mirror polished	150 x 120 x 80	1451
	1.4404 (316L), electropolished		1380
	MS RAL 7032		1380
	1.4404 (316L), mirror polished	150 x 150 x 90	1708
	1.4404 (316L), electropolished		1734
	MS RAL 7032		1765
	1.4404 (316L), mirror polished	190 x 150 x 90	2006
	1.4404 (316L), electropolished		2080
	MS RAL 7032		2081
	1.4404 (316L), mirror polished	190 x 190 x 100	2433
	1.4404 (316L), electropolished		2407
	MS RAL 7032		2468
	1.4404 (316L), mirror polished	250 x 250 x 120	3912
	1.4404 (316L), electropolished		3850
	MS RAL 7032		4013
	1.4404 (316L), mirror polished	160 x 380 x 120	3961
	1.4404 (316L), electropolished		3960
	MS RAL 7032		3974
	1.4404 (316L), mirror polished	250 x 400 x 130	5714
	1.4404 (316L), electropolished		5700
	MS RAL 7032		5859

The weights given are net weights. MS: Mild steel, Stainless steel 1.4404 (316L).

Klippon® K

Page B.72

		Dimensions [mm] Height x width x depth	Weight [g]
	Unpainted Ex (S)	45 x 50 x 30	89
	Unpainted (CR)		78.4
	RAL 7001 (CR)		79.2
	RAL 7001 (S)		83.6
	Unpainted Ex (S)	64 x 58 x 34	184
	Unpainted (CR)		148.1
	RAL 7001 (CR)		153.6
	RAL 7001 (S)		149.4
	Unpainted Ex (S)	64 x 98 x 34	254
	Unpainted (CR)		207
	RAL 7001 (CR)		211.17
	RAL 7001 (S)		217
	Unpainted Ex (S)	70 x 70 x 45	272
	Unpainted (CR)		247.5
	RAL 7001 (CR)		251.5
	RAL 7001 (S)		255.9
	Unpainted Ex (S)	80 x 75 x 57	328
	Unpainted (CR)		318
	RAL 7001 (CR)		322
	RAL 7001 (S)		319.6
	Unpainted Ex (S)	70 x 100 x 45	319
	Unpainted (CR)		314.4
	RAL 7001 (CR)		309.9
	RAL 7001 (S)		316

The weights given are net weights.

Klippon® K

Page B.72

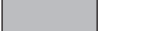
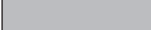
		Dimensions [mm] Height x width x depth	Weight [g]
	Unpainted Ex (S)	80 x 125 x 57	472
	Unpainted (CR)		446
	RAL 7001 (CR)		466
	RAL 7001 (S)		471
	Unpainted Ex (S)	70 x 165 x 45	500
	Unpainted (CR)		454.6
	RAL 7001 (CR)		452
	RAL 7001 (S)		469.2
	Unpainted Ex (S)	80 x 175 x 57	600
	Unpainted (CR)		569.6
	RAL 7001 (CR)		576.6
	RAL 7001 (S)		583.2
	Unpainted Ex (S)	80 x 250 x 55	874
	Unpainted (CR)		784
	RAL 7001 (CR)		794
	RAL 7001 (S)		752.8
	Unpainted Ex (S)	82 x 130 x 72	663
	Unpainted (CR)		633
	RAL 7001 (CR)		644
	RAL 7001 (S)		669
	Unpainted Ex (S)	120 x 122 x 81	986
	Unpainted (CR)		935
	RAL 7001 (CR)		955
	RAL 7001 (S)		938
	Unpainted Ex (S)	130 x 170 x 90	1432
	Unpainted (CR)		1386
	RAL 7001 (CR)		1420
	RAL 7001 (S)		1616
	Unpainted Ex (S)	120 x 220 x 81	1428
	Unpainted (CR)		1423
	RAL 7001 (CR)		1399
	RAL 7001 (S)		1411
	Unpainted Ex (S)	160 x 160 x 91	1699
	Unpainted (CR)		1676
	RAL 7001 (CR)		1613
	RAL 7001 (S)		1616
	Unpainted Ex (S)	160 x 200 x 100	1872
	Unpainted (CR)		1800
	RAL 7001 (CR)		1820
	RAL 7001 (S)		2080
	Unpainted Ex (S)	160 x 260 x 91	2249
	Unpainted (CR)		2160
	RAL 7001 (CR)		2240
	RAL 7001 (S)		2150
	Unpainted Ex (S)	160 x 350 x 100	2863
	Unpainted (CR)		2828
	RAL 7001 (CR)		3116
	RAL 7001 (S)		3094
	Unpainted Ex (S)	230 x 280 x 111	3420
	Unpainted (CR)		3377
	RAL 7001 (CR)		3395
	RAL 7001 (S)		3274

The weights given are net weights.

Overview of dimensions

Klippon® POK

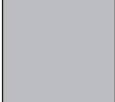
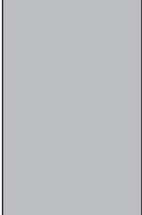
Page B.94

		Dimensions [mm] Height x width x depth	Weight [g]
	RAL 7001 RAL 9011	75 x 80 x 56	273 289
	RAL 7001 RAL 9011	75 x 110 x 56	345 350
	RAL 7001 RAL 9011	75 x 160 x 56	450 461
	RAL 7001 RAL 9011	75 x 190 x 56	499 530
	RAL 7001 RAL 9011	75 x 230 x 56	612 628
	RAL 7001 RAL 9011	120 x 122 x 91	768 769
	RAL 7001 RAL 9011	120 x 220 x 90	1094 1110
	RAL 7001 RAL 9011	160 x 260 x 90	1302 1326
	RAL 7001 RAL 9011	160 x 260 x 90	1771 1767
	RAL 7001 RAL 9011	160 x 360 x 90	2210 2291
	RAL 7001 RAL 9011	160 x 560 x 90	3327 3320
	RAL 7001 RAL 9011	250 x 255 x 120	2817 2841
	RAL 7001 RAL 9011	250 x 400 x 120	3693 3771
	RAL 7001 RAL 9011	250 x 600 x 120	5420 5580
	RAL 7001 RAL 9011	405 x 400 x 120	5740 5580
	RAL 7001 RAL 9011	250 x 255 x 160	3458 3600
	RAL 7001 RAL 9011	250 x 400 x 160	4390 4408

The weights given are net weights.

TBF

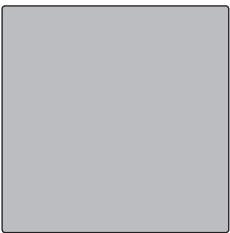
Page B.114

		Dimensions [mm] Height x width x depth	Weight [g]
	Grey lid (RAL 7035) Transparent lid	186 x 151 x 140	1061 810
	Grey lid (RAL 7035) Transparent lid	302 x 186 x 175	1857 1520
	Grey lid (RAL 7035) Transparent lid	302 x 302 x 175	2420 2000
	Grey lid (RAL 7035) Transparent lid	372 x 302 x 175	2829 2465
	Grey lid (RAL 7035) Transparent lid	488 x 302 x 175 488 x 302 x 210	3688 3220
	Grey lid (RAL 7035) Transparent lid	558 x 302 x 175 558 x 302 x 210	4420 3660
	Grey lid (RAL 7035) Transparent lid	603 x 302 x 175 603 x 302 x 210	4900 3900
	Grey lid (RAL 7035) Transparent lid	603 x 372 x 175 603 x 372 x 210	5000 5000

The weights given are net weights.

TBF

Page B.114

		Dimensions [mm] Height x width x depth	Weight [g]
	Grey lid (RAL 7035)	603 x 605 x 175	7220
	Transparent lid	603 x 605 x 210	7480

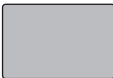
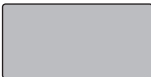
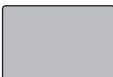
MPC

Page B.122

		Dimensions [mm] Height x width x depth	Weight [g]
	Grey lid (RAL 7035) Transparent lid	125 x 75 x 75	214
	Grey lid (RAL 7035) Transparent lid	125 x 75 x 125	306 304
	Grey lid (RAL 7035) Transparent lid	125 x 125 x 75	295 294
	Grey lid (RAL 7035) Transparent lid	175 x 125 x 75	373 368
	Grey lid (RAL 7035) Transparent lid	175 x 125 x 100	464 448
	Grey lid (RAL 7035) Transparent lid	175 x 125 x 125	523 525
	Grey lid (RAL 7035) Transparent lid	175 x 175 x 75	489 491
	Grey lid (RAL 7035) Transparent lid	175 x 175 x 150	184 731
	Grey lid (RAL 7035) Transparent lid	250 x 175 x 100	760 753

FPC

Page B.130

		Dimensions [mm] Height x width x depth	Weight [g]
	Grey lid (RAL 7035) Transparent lid	200 x 200 x 132	1230 1260
	Grey lid (RAL 7035) Transparent lid	200 x 300 x 132	1616 1589
	Grey lid (RAL 7035) Transparent lid	200 x 400 x 132	2000 1984
	Grey lid (RAL 7035) Transparent lid	300 x 300 x 132	2097 2103
	Grey lid (RAL 7035) Transparent lid	300 x 400 x 132	2624 2620
	Grey lid (RAL 7035) Transparent lid	400 x 600 x 132	3964 4500

The weights given are net weights.

The weights given are net weights.

Drawing design – For chapter B

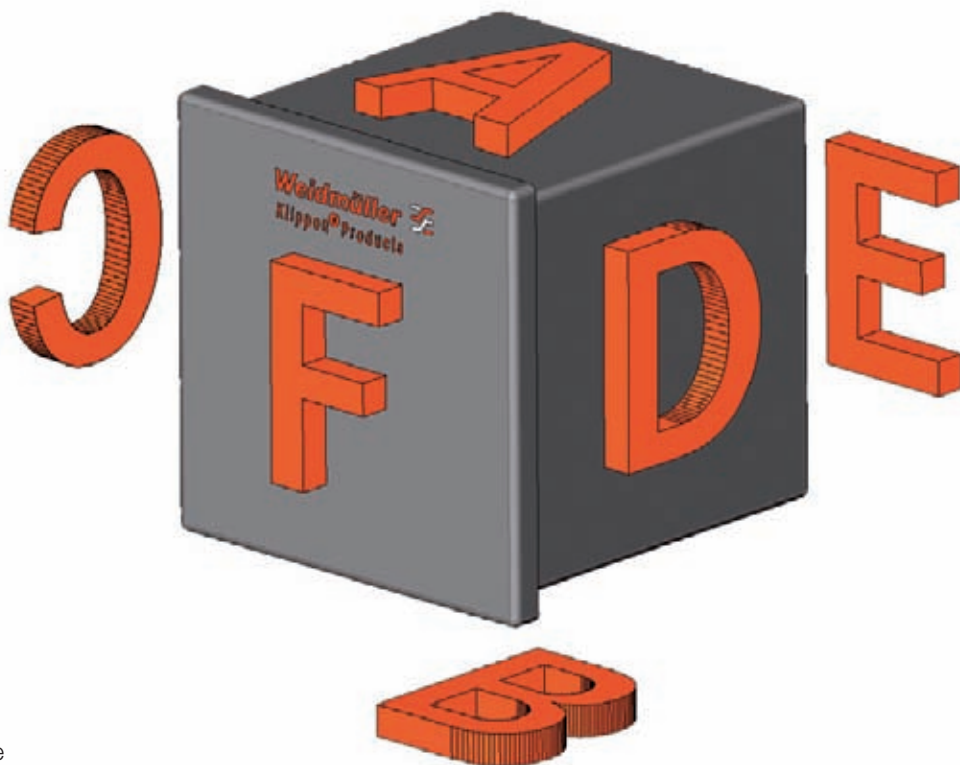
The drawings contained in chapter B are constructed in the following way.

B

To identify the enclosure side views, these are marked with the letters A, B, C, D, E, and F. The schematic 3D representations shown underneath are of an enclosure that has been wall-mounted.

- F** shows the view of the enclosure lid (front aspect),
- E** marks the inner surface of the enclosure (view into the enclosure when the lid has been opened).
- A** shows the view of the enclosure from above and
- B** the view of the enclosure from underneath.
- C** shows the left and
- D** the right side of the enclosure.
- E** is the view from the front into the enclosure's interior, without a lid.

You can find the dimensions of the enclosure sides for all enclosure sizes in each drawing.



- A** = top
- B** = bottom
- C** = left
- D** = right
- E** = enclosure base
- F** = enclosure lid

Klippon® TB MH - Multi Hinge

Stainless steel enclosures

for use in industrial and in explosive hazard areas

B

The Klippon® TB enclosure series features excellent performance characteristics, even under the most difficult environmental conditions, and also comply with the stricter requirements of explosive hazard areas found in the process or power generation industries. The new Klippon® TB MH enclosure series offers further improvements to a product line that is already successfully leading the market.

Weidmüller can manufacture and supply this enclosure to match customer specifications and fitted with all necessary terminals and cable glands.



Overview of enclosures

Ordering data

Description	Length x width x depth in mm	1 Gland Plate (below)	2 Gland Plates (above + below)	3 Gland Plates (below + sides)	4 Gland Plates (all sides)	Reference product
KTB MH 221513 S4E_*	229 x 152 x 133	1194560000	1194570000	1194580000	1194590000	Klippon® TB10
KTB MH 262615 S4E_*	260 x 260 x 150	1194610000	1194620000	1194630000	1194640000	Klippon® TB10A
KTB MH 262620 S4E_*	260 x 260 x 200	1194660000	1194670000	1194680000	1194690000	Klippon® TB10A
KTB MH 303015 S4E_*	306 x 306 x 150	1194710000	1194720000	1194730000	1194740000	Klippon® TB11
KTB MH 303020 S4E_*	306 x 306 x 200	1194760000	1194770000	1194780000	1194790000	Klippon® TB11
KTB MH 352615 S4E_*	350 x 260 x 150	1194810000	1194820000	1194830000	1194840000	Klippon® TB11A
KTB MH 352620 S4E_*	350 x 260 x 200	1194860000	1194870000	1194880000	1194890000	Klippon® TB11A
KTB MH 403015 S4E_*	400 x 300 x 150	1194910000	1194920000	1194930000	1194940000	-
KTB MH 403020 S4E_*	400 x 300 x 200	1194960000	1194970000	1194980000	1194990000	-
KTB MH 453815 S4E_*	458 x 382 x 150	1195010000	1195020000	1195030000	1195040000	Klippon® TB12
KTB MH 453820 S4E_*	458 x 382 x 200	1195060000	1195070000	1195080000	1195090000	Klippon® TB12
KTB MH 484815 S4E_*	480 x 480 x 150	1195110000	1195120000	1195130000	1195140000	Klippon® TB12A
KTB MH 484820 S4E_*	480 x 480 x 200	1195160000	1195170000	1195180000	1195190000	Klippon® TB12A
KTB MH 553515 S4E_*	550 x 350 x 150	1195210000	1195220000	1195230000	1195240000	Klippon® TB12B
KTB MH 553520 S4E_*	550 x 350 x 200	1195260000	1195270000	1195280000	1195290000	Klippon® TB12B
KTB MH 624515 S4E_*	620 x 450 x 150	1195310000	1195320000	1195330000	1195340000	Klippon® TB12D
KTB MH 624520 S4E_*	620 x 450 x 200	1195360000	1195370000	1195380000	1195390000	Klippon® TB12D
KTB MH 765015 S4E_*	762 x 508 x 150	1195410000	1195420000	1195430000	1195440000	Klippon® TB13
KTB MH 765020 S4E_*	762 x 508 x 200	1195460000	1195470000	1195480000	1195490000	Klippon® TB13
KTB MH 916115 S4E_*	914 x 610 x 150	1195510000	1195520000	1195530000	1195540000	Klippon® TB14
KTB MH 916120 S4E_*	914 x 610 x 200	1195560000	1195570000	1195580000	1195590000	Klippon® TB14
KTB MH 987420 S4E_*	980 x 740 x 200	1195610000	1195620000	1195630000	1195640000	-

Note * Placeholder for the number of gland plates (1, 2, 3, 4). Klippon® TB MH enclosures are available without gland plates on request.

Technical Overview

Features

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Completely removable padlock tab
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Lid can be removed without a tool
- Earth studs in enclosure cover and bottom section
- Welded mounting feet
- International approvals

Note

Technical data

Enclosure material***	Stainless steel 1.4404 (316L) 1.5 mm
Surface finish	electropolished
IP protection class	IP66 / IP67
NEMA protection classes	3, 4x, 12
Gland plates	1 - 4 (fixed with M6 hexagon head screws with 10 mm heads), optionally without a gland plate
Gland plate thickness	3 mm (other thickness of up to 20 mm are available on request)
Earthing inside	Enclosure base and lid: welded M6 stainless steel earth studs
Earthing outside	Continuous M10 brass earth stud (optionally with stainless-steel earth stud)
Installation mounting	4 or 6 mounting bolts with M6 threaded holes to attach the mounting plate or mounting rail
Enclosure attachment	4 welded mounting feet with 11-mm holes (2 slotted and 2 cross-shaped openings)
Lid opening	Lid can be fully removed without the use of tools, can be fitted on both sides, lid opening angle: 130°
Cover attachment	4 hinges and M6 hex-head screws (AF 10) with slot
Equipped for a padlock	Removable padlock fitting, for additional product security with an optional padlock (article number: 0905680000)
Impact resistance	7 J ATEX applications, 10 J industrial applications
Gasket material	Silicone
Operating temperature range*	-60 °C...+135 °C
Torque - lid and gland plate screws**	2.5 Nm
Note	*Limited to IP66 protection when used in temperatures greater than 105°C. ** To secure the lid, please use our hexagonal socket wrench with a 10 mm socket (9009070000) *** Painted steel enclosures are available on request.

Approvals for empty enclosures

ATEX certificate	KEMA 10ATEX0046 U
ATEX marking	II 2 G Ex e IIC Gb II 2 D Ex tb IIIC Db IP66/67
IECEx certificate	IECEx KEM 10.0015U
IECEx marking	Ex e IIC Gb Ex tb IIIC Db IP66/67
GOST Ex	POCC DE.ME92.B02036
GOST R	In preparation
cULus	E243298
Germanischer Lloyd	11533 - 10 HH
Russian Maritime Register	10.04093.250
CCOE	P267536/2
Note	The Klippon® TB MH enclosure series can be pre-fitted in our customer specific production department according to your wishes; as an example, terminals, or other approved components, can be installed as required.

Approvals for control and distribution box

ATEX certificate	KEMA 10ATEX0050
ATEX marking	II 2 G Ex eb IIC T6...T4 II 1 G Ex ia IIC T6...T4 II 2(1) G Ex eb ia IIC T6...T4 II 2 D Ex tb IIIC T85 °C...T135 °C IP66/67
IECEx certificate	IECEx KEM 10.0019
IECEx marking	Ex eb IIC T... Ex ia IIC T... Ex eb ia IIC T... Ex tb IIIC T85 °C...T135 °C IP66/67
Note	Labelling depends on the application layout. Limited to IP66 protection when used in temperatures greater than 105 °C.

Klippon® TB MH 221513

Depth 133 mm



Height/Width/Depth 229 / 152 / 133 mm

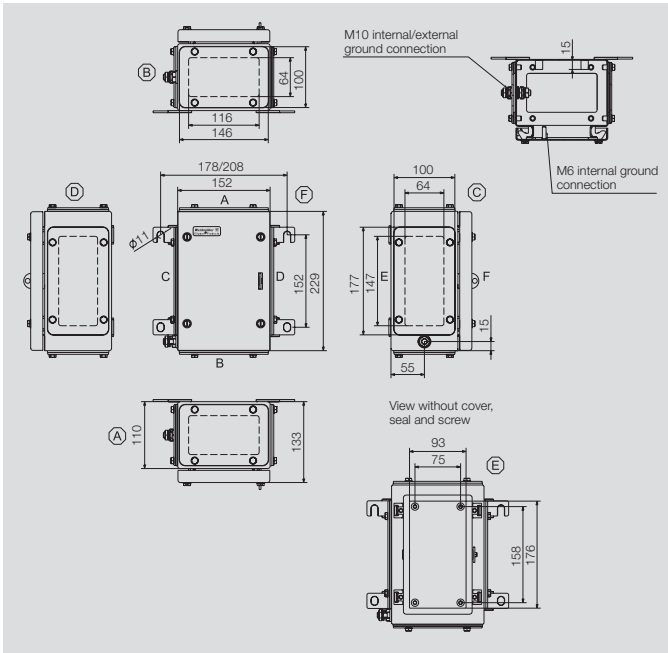
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194560000
2 gland plates - positioned up and down (A & B)	1194570000
3 gland plates - positioned down, left and right (B, C & D)	1194580000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194590000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193930000
Stainless steel, 1.4301	1193810000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Padlock with two keys	
Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	1x29	1x15
4 mm²		1x13
6 mm²		1x9
10 mm²		1x7
16 mm²		1x6
35 mm²		

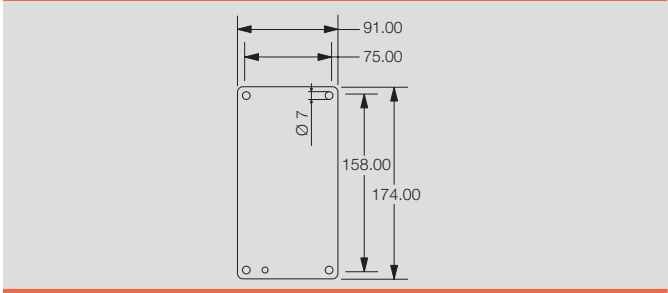
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	6	8
M16	5	6
M20	2	3
M25	2	2
M32	1	2
M40	1	2
M50	0	0
M63	0	0
M75	0	0

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

Dimensions of mounting plate





Height/Width/Depth

260 / 260 / 150 mm

Ordering data

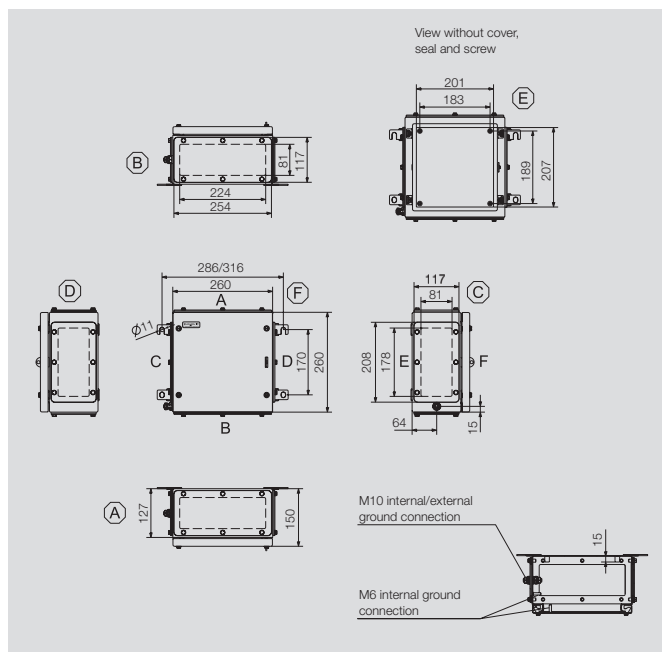
Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194610000
2 gland plates - positioned up and down (A & B)	1194620000
3 gland plates - positioned down, left and right (B, C & D)	1194630000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194640000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1193950000
 Stainless steel, 1.4301	1193820000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x35	2x34
4 mm²	1x30	1x29
6 mm²	1x22	1x22
10 mm²	1x18	1x17
16 mm²	1x15	1x14
35 mm²		



Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

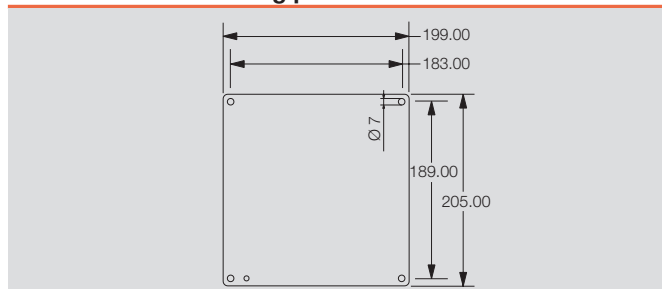
Number of cable entries

Number of cable entries	A / B	C / D
M12	20	15
M16	11	8
M20	9	7
M25	4	3
M32	3	2
M40	3	2
M50	2	2
M63	0	0
M75	0	0

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB MH 262620

Depth 200 mm



Height/Width/Depth 260 / 260 / 200 mm

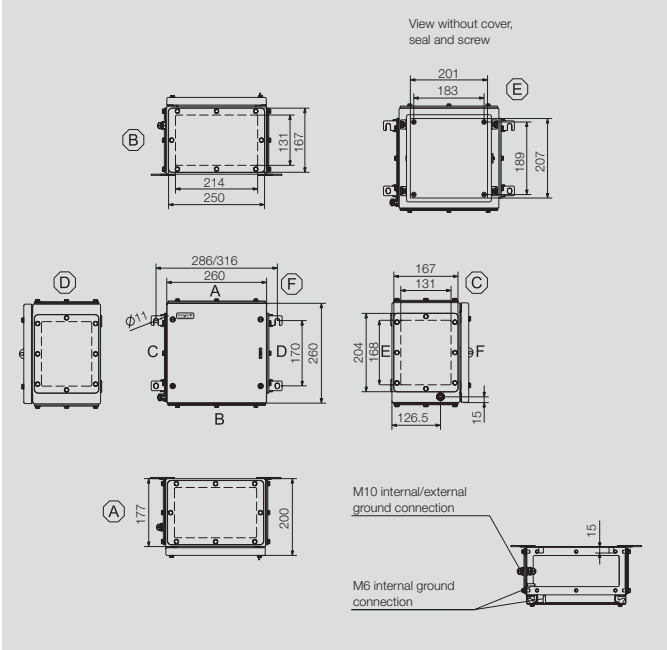
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194660000
2 gland plates - positioned up and down (A & B)	1194670000
3 gland plates - positioned down, left and right (B, C & D)	1194680000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194690000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1193950000
	Stainless steel, 1.4301	1193820000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x35	2x34
4 mm²	1x30	1x29
6 mm²	1x22	1x22
10 mm²	1x18	1x17
16 mm²	1x15	1x14
35 mm²		

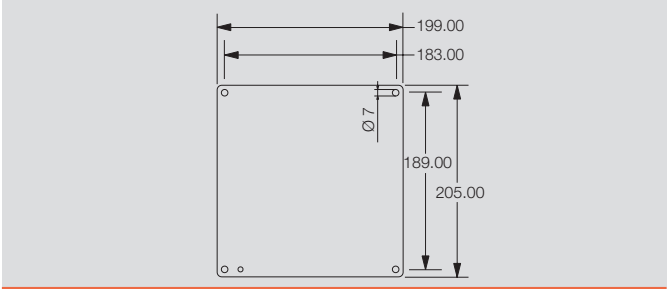
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	33	25
M16	22	16
M20	14	11
M25	12	9
M32	6	4
M40	5	4
M50	2	2
M63	2	1
M75	1	1

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

Dimensions of mounting plate





Height/Width/Depth

306 / 306 / 150 mm

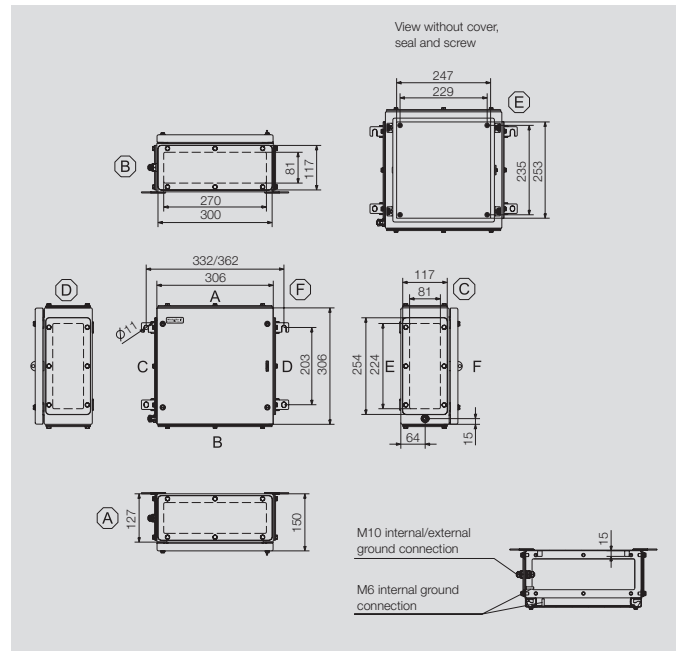
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194710000
2 gland plates - positioned up and down (A & B)	1194720000
3 gland plates - positioned down, left and right (B, C & D)	1194730000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194740000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1193960000
	Stainless steel, 1.4301	1193830000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x44	2x43
4 mm²	2x37	2x36
6 mm²	2x28	2x27
10 mm²	1x22	1x22
16 mm²	1x19	1x18
35 mm²	1x14	1x13



Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

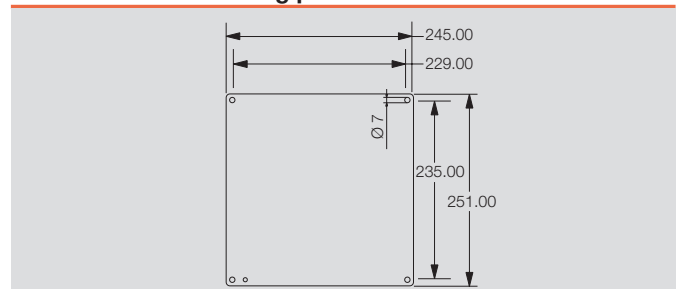
Number of cable entries

Number of cable entries	A / B	C / D
M12	24	20
M16	13	11
M20	11	9
M25	5	4
M32	4	3
M40	3	3
M50	3	2
M63	0	0
M75	0	0

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth 306 / 306 / 200 mm

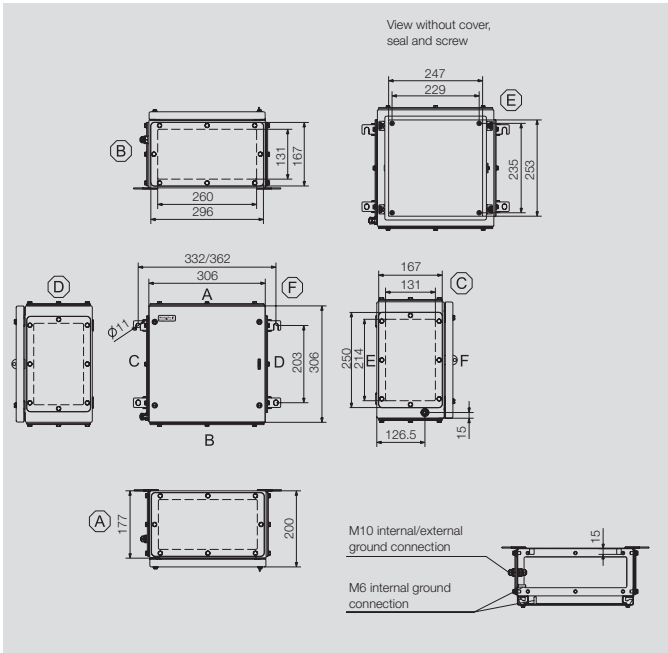
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194760000
2 gland plates - positioned up and down (A & B)	1194770000
3 gland plates - positioned down, left and right (B, C & D)	1194780000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194790000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1193960000
	Stainless steel, 1.4301	1193830000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x44	2x43
4 mm²	2x37	2x36
6 mm²	2x28	2x27
10 mm²	1x22	1x22
16 mm²	1x19	1x18
35 mm²	1x14	1x13

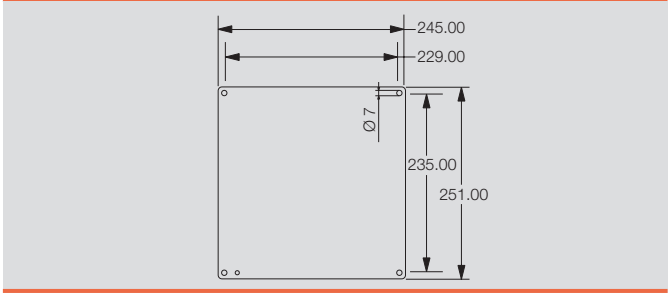
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	40	33
M16	26	22
M20	17	14
M25	14	12
M32	8	6
M40	6	5
M50	3	2
M63	2	2
M75	2	1

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

Dimensions of mounting plate





Height/Width/Depth

350 / 260 / 150 mm

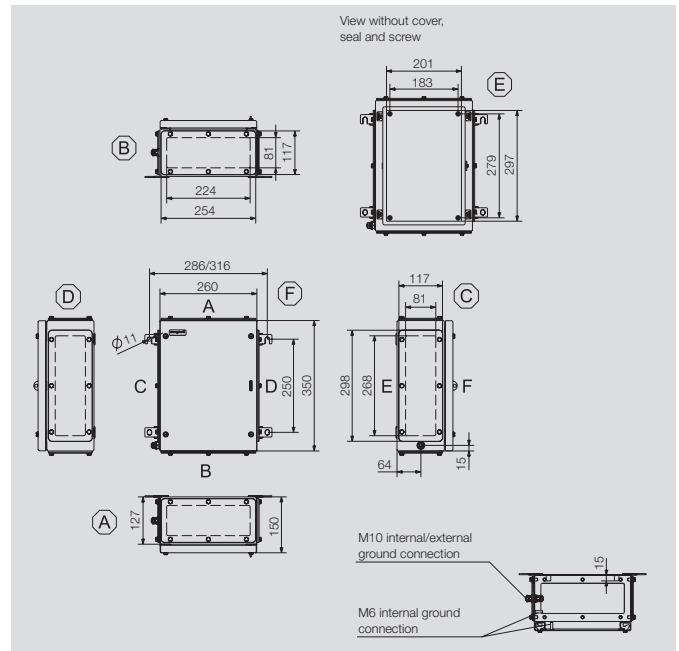
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194810000
2 gland plates - positioned up and down (A & B)	1194820000
3 gland plates - positioned down, left and right (B, C & D)	1194830000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194840000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1193970000
 Stainless steel, 1.4301	1193840000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x53	2x34
4 mm²	1x44	2x29
6 mm²	1x33	2x22
10 mm²	1x27	2x17
16 mm²	1x22	1x14
35 mm²		1x11

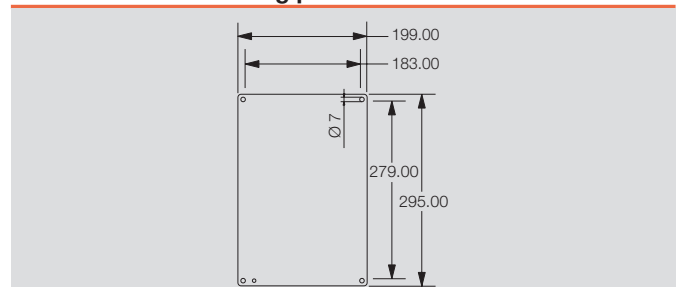
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	20	23
M16	11	13
M20	9	11
M25	4	5
M32	3	4
M40	3	3
M50	2	3
M63	0	0
M75	0	0

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB MH 352620

Depth 200 mm



Height/Width/Depth 350 / 260 / 200 mm

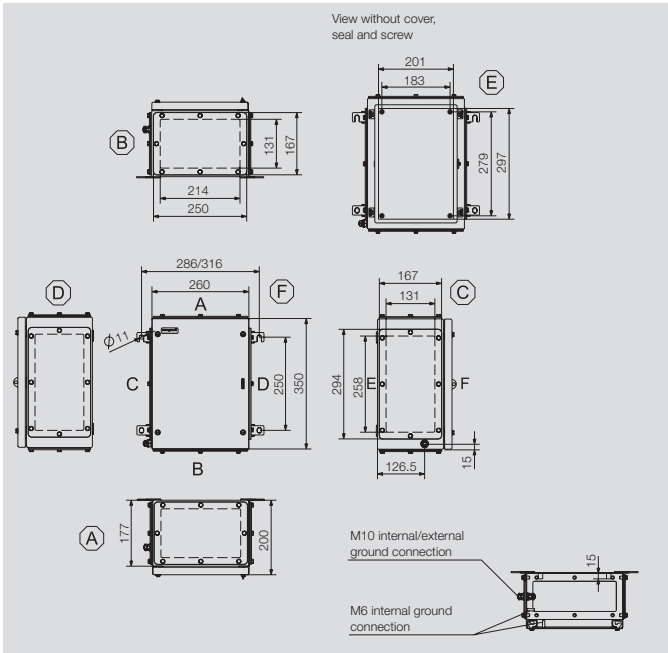
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194860000
2 gland plates - positioned up and down (A & B)	1194870000
3 gland plates - positioned down, left and right (B, C & D)	1194880000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194890000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1193970000
	Stainless steel, 1.4301	1193840000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x53	2x34
4 mm²	1x44	2x29
6 mm²	1x33	2x22
10 mm²	1x27	2x17
16 mm²	1x22	1x14
35 mm²		1x11

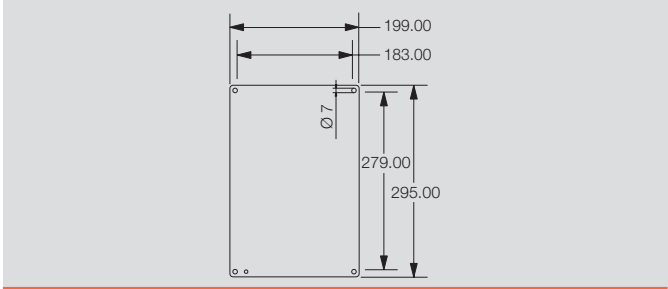
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	33	38
M16	22	26
M20	14	17
M25	12	14
M32	6	7
M40	5	6
M50	2	3
M63	2	2
M75	1	2

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

Dimensions of mounting plate





Height/Width/Depth

400 / 300 / 150 mm

Ordering data

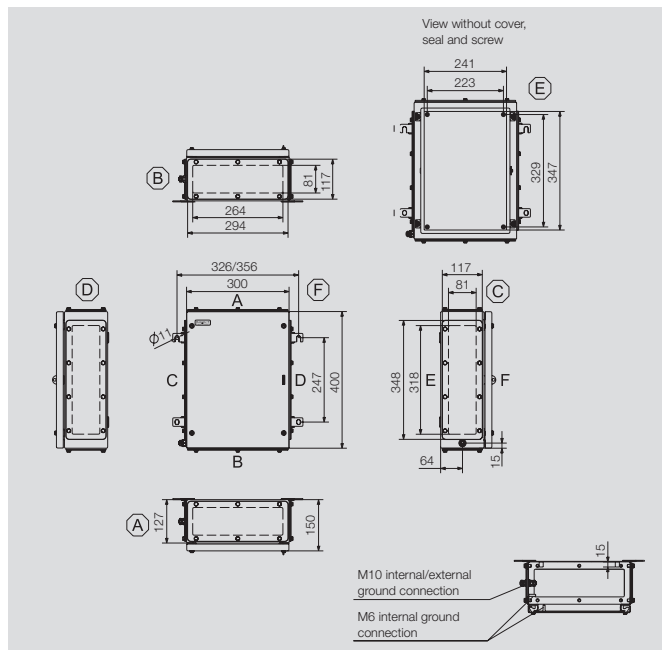
Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194910000
2 gland plates - positioned up and down (A & B)	1194920000
3 gland plates - positioned down, left and right (B, C & D)	1194930000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194940000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1193980000
 Stainless steel, 1.4301	1193850000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x62	3x42
4 mm²	2x52	3x35
6 mm²	1x39	2x26
10 mm²	1x32	2x21
16 mm²	1x26	2x18
35 mm²	1x20	1x13

Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal)

ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000

TS32 mounting rail (screw terminal) SAK 2.5 0279660000

TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

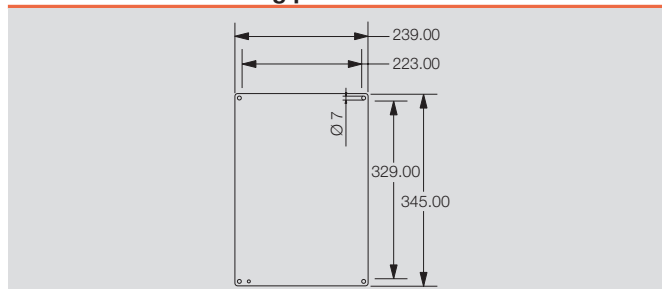
Number of cable entries

Number of cable entries	A / B	C / D
M12	23	29
M16	13	16
M20	11	13
M25	5	6
M32	4	5
M40	3	4
M50	3	3
M63	0	0
M75	0	0

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB MH 403020

Depth 200 mm



Height/Width/Depth 400 / 300 / 200 mm

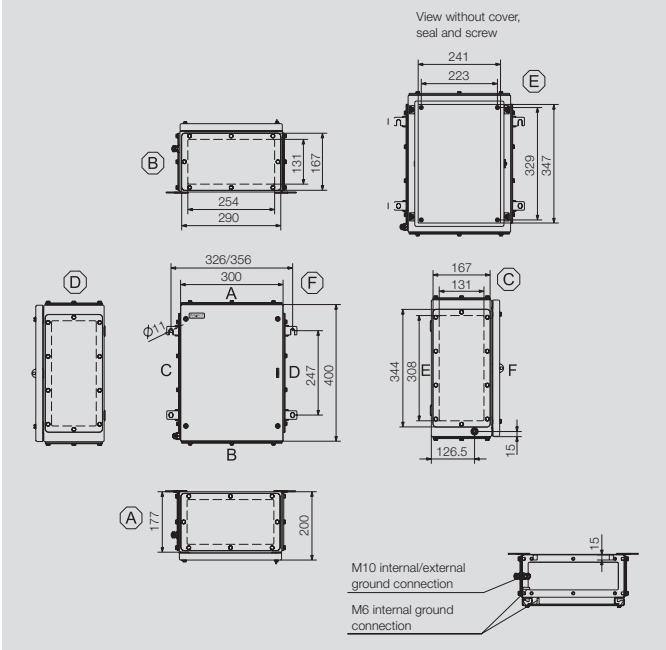
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1194960000
2 gland plates - positioned up and down (A & B)	1194970000
3 gland plates - positioned down, left and right (B, C & D)	1194980000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1194990000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193980000
Stainless steel, 1.4301	1193850000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Padlock with two keys	
Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x62	3x42
4 mm²	2x52	3x35
6 mm²	1x39	2x26
10 mm²	1x32	2x21
16 mm²	1x26	2x18
35 mm²	1x20	1x13

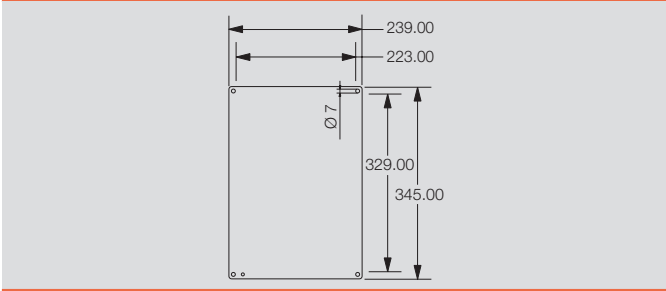
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	38	48
M16	26	32
M20	17	20
M25	14	17
M32	7	9
M40	6	7
M50	3	3
M63	2	3
M75	2	2

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

Dimensions of mounting plate





Height/Width/Depth 458 / 382 / 150 mm

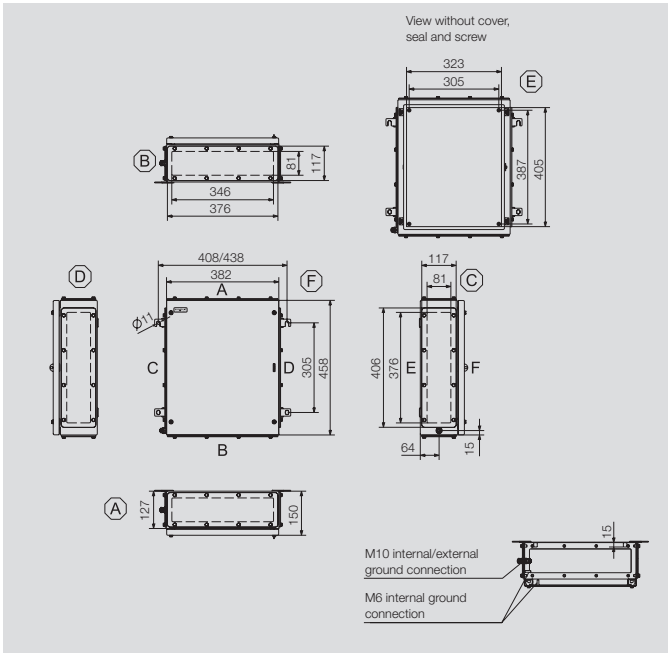
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195010000
2 gland plates - positioned up and down (A & B)	1195020000
3 gland plates - positioned down, left and right (B, C & D)	1195030000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195040000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193990000
Stainless steel, 1.4301	1193860000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Padlock with two keys	
Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x73	4x58
4 mm²	2x62	3x48
6 mm²	2x46	3x36
10 mm²	2x37	2x29
16 mm²	2x31	2x24
35 mm²	1x23	1x18

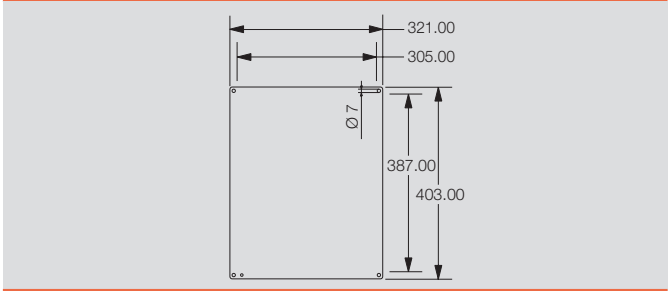
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	30	33
M16	17	19
M20	15	16
M25	6	7
M32	5	6
M40	4	5
M50	4	4
M63	0	0
M75	0	0

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

Dimensions of mounting plate



Klippon® TB MH 453820

Depth 200 mm



Height/Width/Depth 458 / 382 / 200 mm

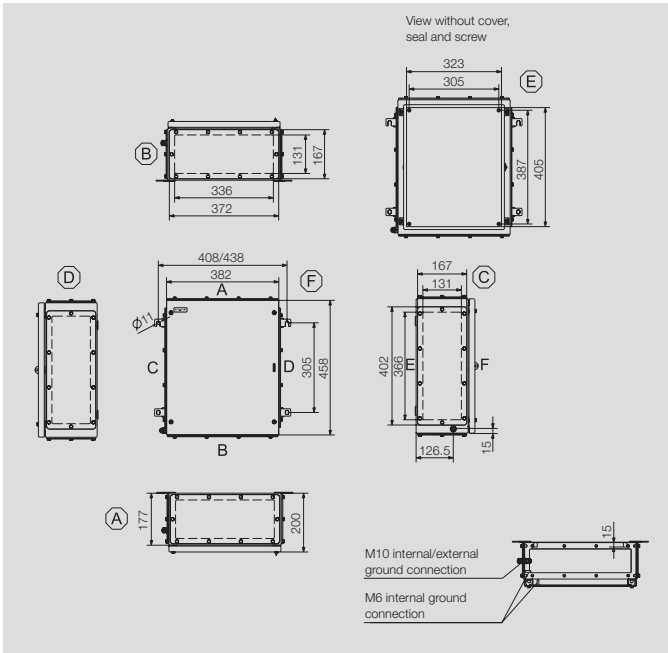
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195060000
2 gland plates - positioned up and down (A & B)	1195070000
3 gland plates - positioned down, left and right (B, C & D)	1195080000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195090000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193990000
Stainless steel, 1.4301	1193860000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Padlock with two keys	
Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x73	4x58
4 mm²	2x62	3x48
6 mm²	2x46	3x36
10 mm²	2x37	2x29
16 mm²	2x31	2x24
35 mm²	1x23	1x18

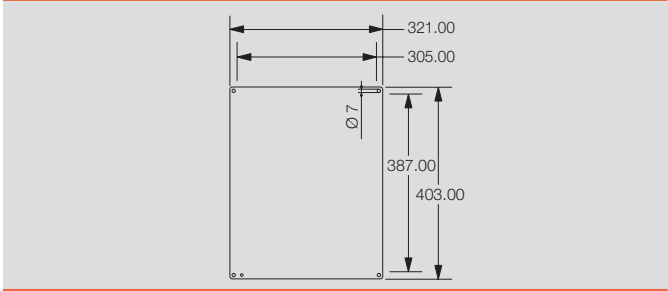
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	50	55
M16	34	38
M20	23	24
M25	18	21
M32	10	11
M40	8	9
M50	4	4
M63	3	3
M75	2	3

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth

480 / 480 / 150 mm

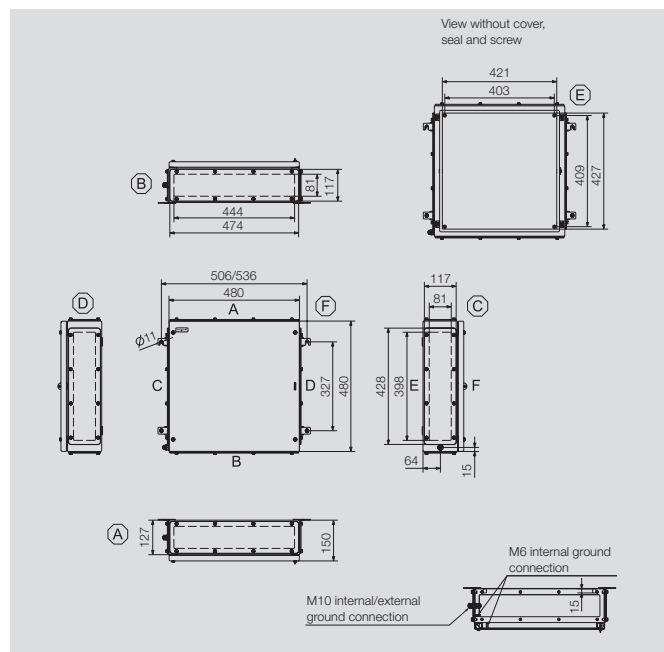
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195110000
2 gland plates - positioned up and down (A & B)	1195120000
3 gland plates - positioned down, left and right (B, C & D)	1195130000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195140000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1194000000
	Stainless steel, 1.4301	1193870000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x78	4x77
4 mm²	3x65	3x64
6 mm²	3x49	3x48
10 mm²	2x39	3x39
16 mm²	2x33	2x32
35 mm²	1x25	2x24



Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

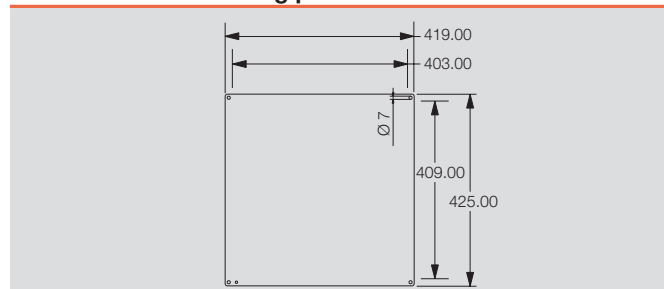
Number of cable entries

Number of cable entries	A / B	C / D
	M12	39
	M16	22
	M20	19
	M25	8
	M32	7
	M40	6
	M50	5
	M63	0
	M75	0

Note

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

Dimensions of mounting plate



Klippon® TB MH 484820

Depth 200 mm



Height/Width/Depth 480 / 480 / 200 mm

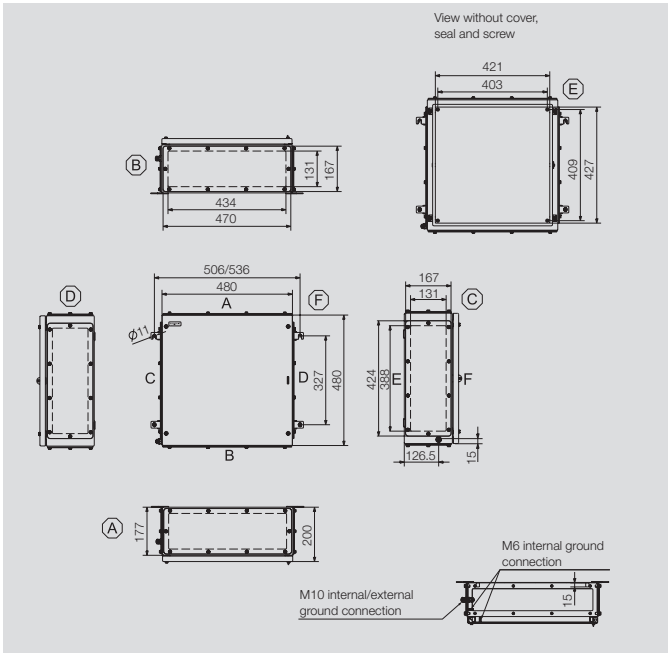
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195160000
2 gland plates - positioned up and down (A & B)	1195170000
3 gland plates - positioned down, left and right (B, C & D)	1195180000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195190000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1194000000
Stainless steel, 1.4301	1193870000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x78	4x77
4 mm²	3x65	3x64
6 mm²	3x49	3x48
10 mm²	2x39	3x39
16 mm²	2x33	2x32
35 mm²	1x25	2x24

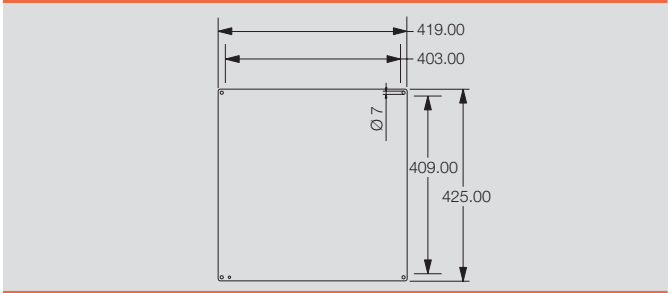
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
 M12	65	60
M16	44	40
M20	29	26
M25	24	21
M32	13	12
M40	11	10
M50	5	4
M63	4	4
M75	3	3

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



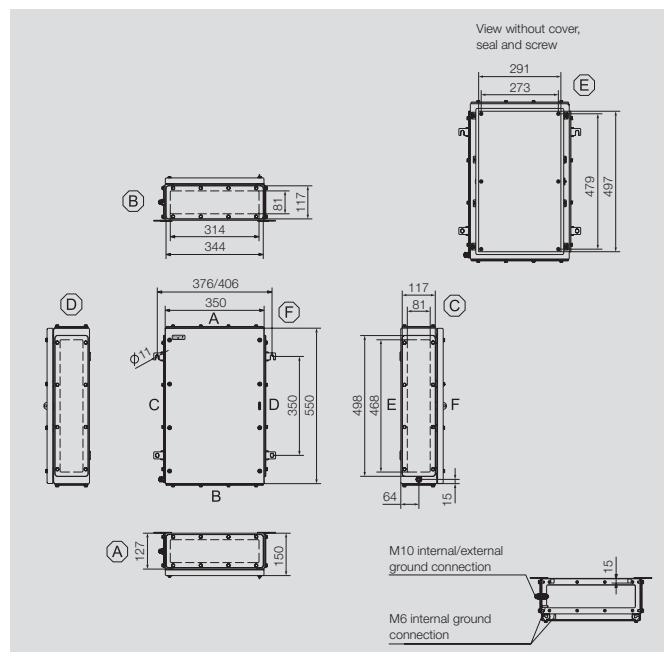


550 / 350 / 150 mm

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195210000
2 gland plates - positioned up and down (A & B)	1195220000
3 gland plates - positioned down, left and right (B, C & D)	1195230000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195240000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Mounting plate		Order No.
	Steel sheet, galvanised	1194010000
	Stainless steel, 1.4301	1193880000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)	vertical	horizontal
2.5 mm ²	2x91	4x52
4 mm ²	2x76	4x43
6 mm ²	2x58	4x32
10 mm ²	2x46	3x26
16 mm ²	1x39	3x22
35 mm ²	1x29	2x16

Note	*For enclosure versions with 20 mm, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm. Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail. Recommended order: TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608010000 / (tension clamp terminal) PDU 2.5 1936110000 TS32 mounting rail (screw terminal) SAK 2.5 0279660000 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000
-------------	---

Number of cable entries		A / B	C / D
	M12	27	42
	M16	15	24
	M20	13	20
	M25	6	9
	M32	5	7
	M40	4	6
	M50	3	5
	M63	0	0
	M75	0	0

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Technical drawing of a rectangular structure with dimensions:

- Top horizontal dimension: 289.00
- Top horizontal dimension: 273.00
- Vertical dimension (left side): 479.00
- Vertical dimension (right side): 495.00
- Small vertical dimension (top right): 0.7
- Small horizontal dimension (bottom left): 0.2

Klippon® TB MH 553520

Depth 200 mm



Height/Width/Depth 550 / 350 / 200 mm

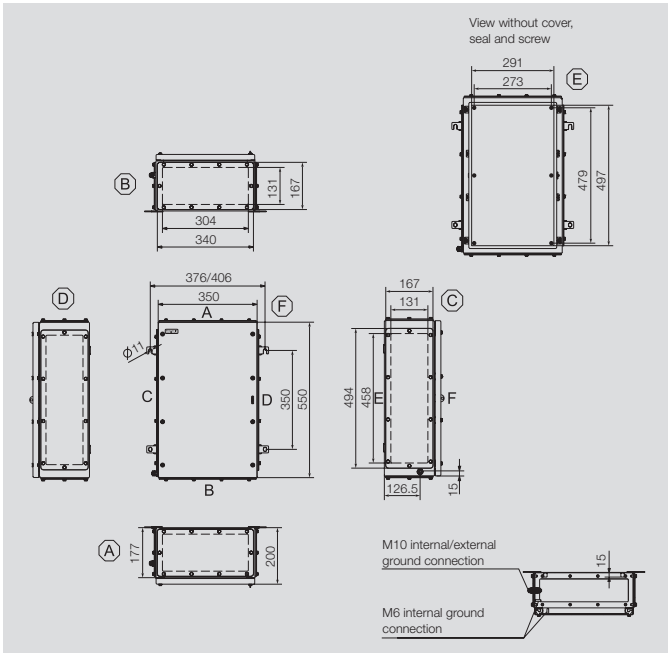
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195260000
2 gland plates - positioned up and down (A & B)	1195270000
3 gland plates - positioned down, left and right (B, C & D)	1195280000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195290000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1194010000
	Stainless steel, 1.4301	1193880000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x91	4x52
4 mm²	2x76	4x43
6 mm²	2x58	4x32
10 mm²	2x46	3x26
16 mm²	1x39	3x22
35 mm²	1x29	2x16

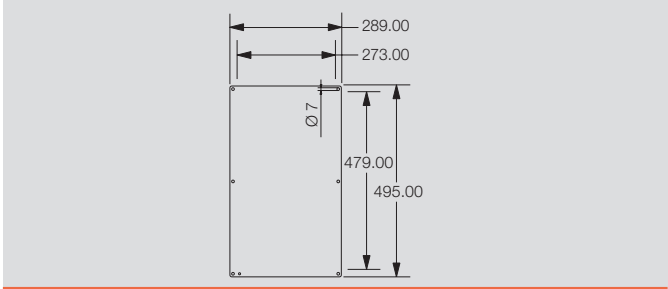
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	45	70
M16	30	48
M20	20	30
M25	17	26
M32	9	14
M40	7	12
M50	3	5
M63	3	4
M75	2	3

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

Dimensions of mounting plate





Height/Width/Depth

620 / 450 / 150 mm

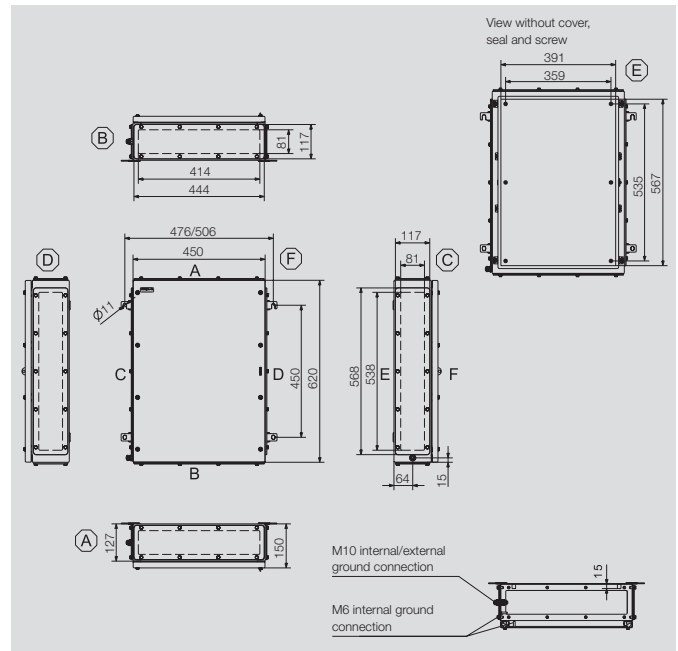
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195310000
2 gland plates - positioned up and down (A & B)	1195320000
3 gland plates - positioned down, left and right (B, C & D)	1195330000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195340000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1194020000
Stainless steel, 1.4301	1193890000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x105	5x71
4 mm²	3x88	5x59
6 mm²	3x66	4x45
10 mm²	2x53	4x36
16 mm²	2x44	3x30
35 mm²	1x33	2x22



Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

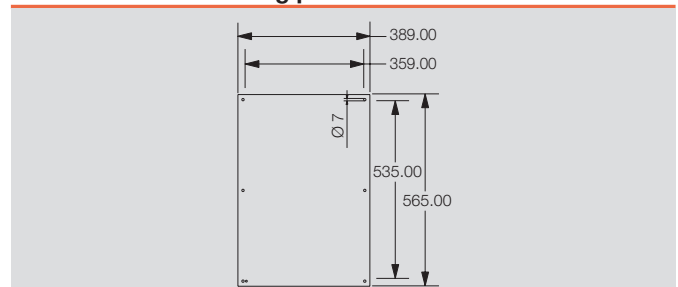
Number of cable entries

Number of cable entries	A / B	C / D
M12	38	48
M16	21	27
M20	18	24
M25	8	10
M32	6	9
M40	5	7
M50	4	6
M63	0	0
M75	0	0

Note

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

Dimensions of mounting plate



Klippon® TB MH 624520

Depth 200 mm



Height/Width/Depth 620 / 450 / 200 mm

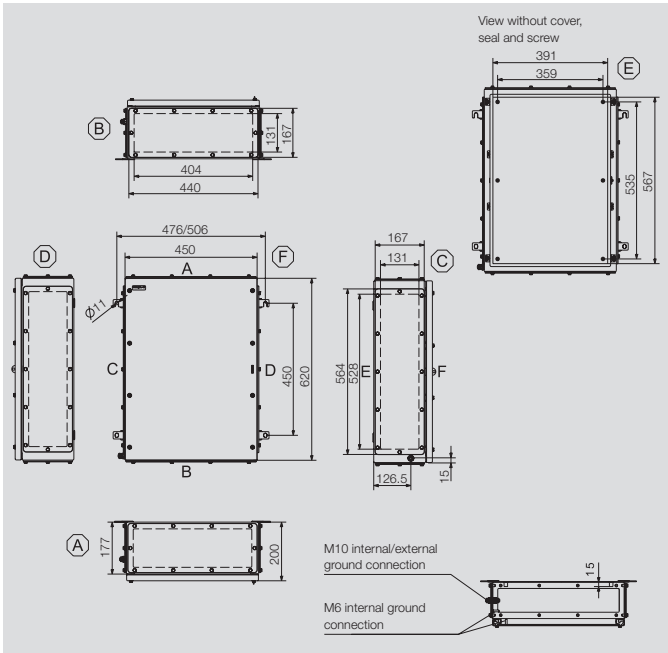
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195360000
2 gland plates - positioned up and down (A & B)	1195370000
3 gland plates - positioned down, left and right (B, C & D)	1195380000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195390000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194020000
Stainless steel, 1.4301	1193890000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Padlock with two keys	
Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x105	5x71
4 mm²	3x88	5x59
6 mm²	3x66	4x45
10 mm²	2x53	4x36
16 mm²	2x44	3x30
35 mm²	1x33	2x22

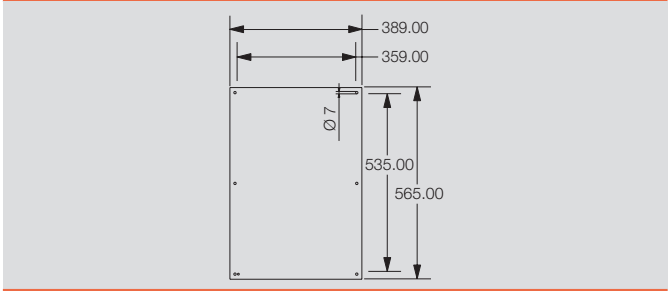
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	63	80
M16	42	54
M20	27	36
M25	23	30
M32	12	17
M40	10	14
M50	4	6
M63	4	5
M75	3	4

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth

762 / 508 / 150 mm

Ordering data

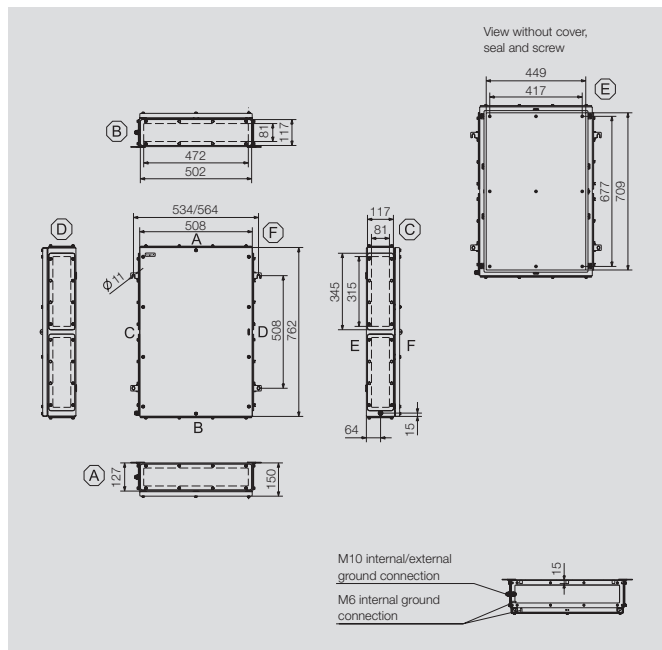
Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195410000
2 gland plates - positioned up and down (A & B)	1195420000
3 gland plates - positioned down, left and right (B, C & D)	1195430000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195440000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1194030000
	Stainless steel, 1.4301	1193900000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x132	7x82
4 mm²	4x111	6x69
6 mm²	3x83	5x52
10 mm²	3x67	5x42
16 mm²	2x56	4x35
35 mm²	2x42	3x26



Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal)

ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000

TS32 mounting rail (screw terminal) SAK 2.5 0279660000

TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

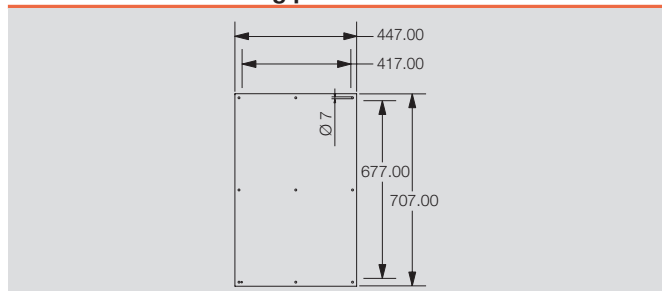
Number of cable entries

Number of cable entries	A / B	C / D
M12	42	58
M16	24	32
M20	21	26
M25	9	12
M32	7	10
M40	6	8
M50	5	6
M63	0	0
M75	0	0

Note

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

Dimensions of mounting plate



Klippon® TB MH 765020

Depth 200 mm



Height/Width/Depth 762 / 508 / 200 mm

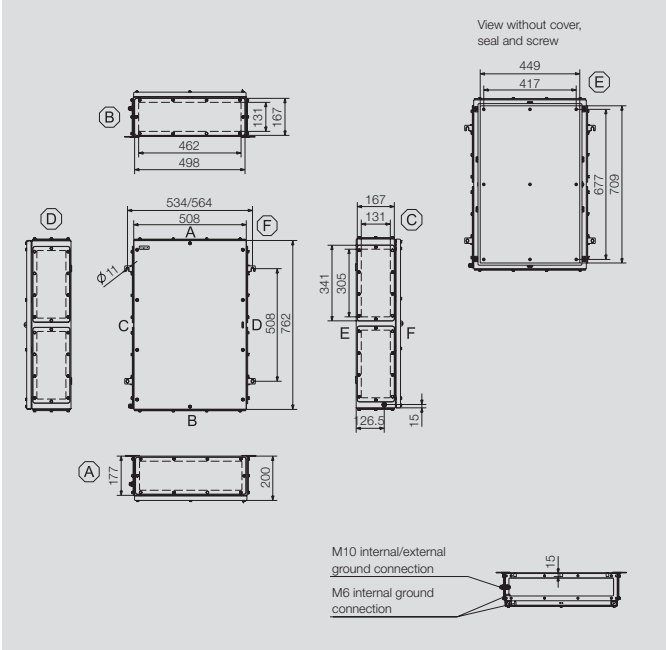
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195460000
2 gland plates - positioned up and down (A & B)	1195470000
3 gland plates - positioned down, left and right (B, C & D)	1195480000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195490000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1194030000
	Stainless steel, 1.4301	1193900000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000
Padlock with two keys		
	Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x132	7x82
4 mm²	4x111	6x69
6 mm²	3x83	5x52
10 mm²	3x67	5x42
16 mm²	2x56	4x35
35 mm²	2x42	3x26

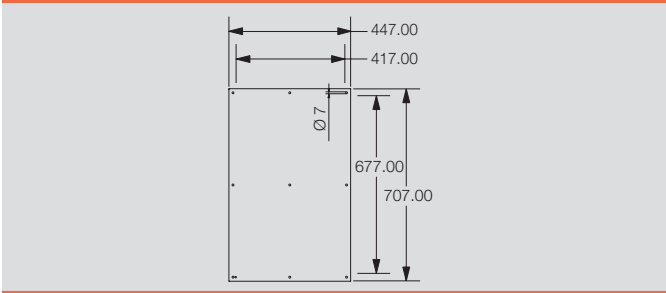
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	70	96
M16	48	64
M20	32	40
M25	26	34
M32	14	18
M40	12	14
M50	5	6
M63	4	6
M75	3	4

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth

914 / 610 / 150 mm

Ordering data

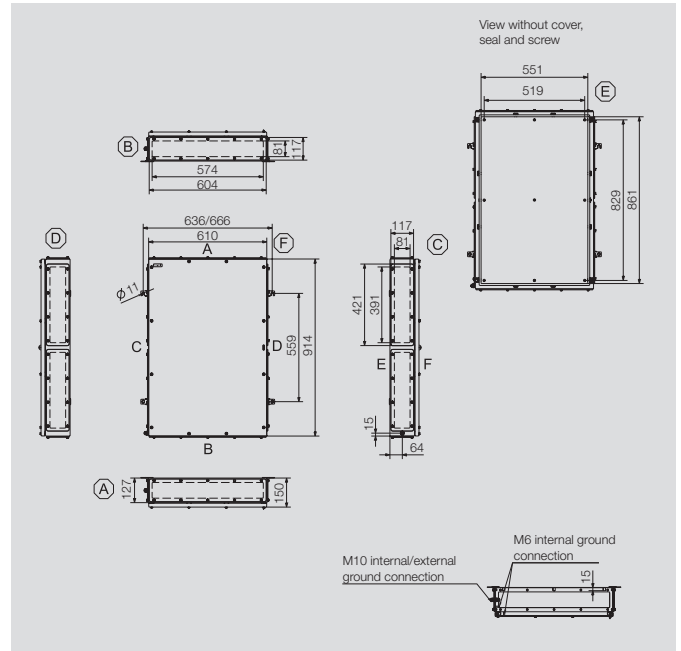
Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195510000
2 gland plates - positioned up and down (A & B)	1195520000
3 gland plates - positioned down, left and right (B, C & D)	1195530000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195540000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1194040000
 Stainless steel, 1.4301	1193910000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	5x161	8x102
4 mm²	4x135	7x85
6 mm²	4x102	7x64
10 mm²	3x82	6x52
16 mm²	3x68	5x43
35 mm²	2x51	4x32

Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal)

ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000

TS32 mounting rail (screw terminal) SAK 2.5 0279660000

TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

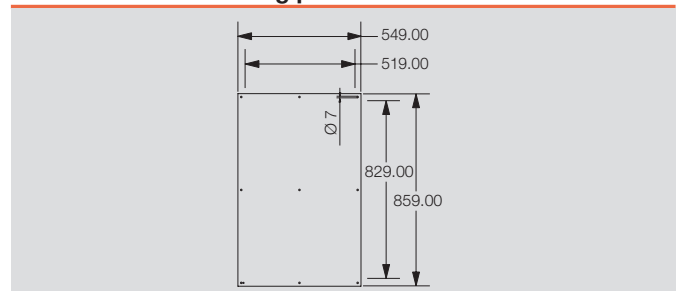
Number of cable entries

Number of cable entries	A / B	C / D
 M12	53	70
 M16	29	40
 M20	25	34
 M25	11	14
 M32	9	12
 M40	8	10
 M50	6	8
 M63	0	0
 M75	0	0

Note

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

Dimensions of mounting plate



Klippon® TB MH 916120

Depth 200 mm



Height/Width/Depth 914 / 610 / 200 mm

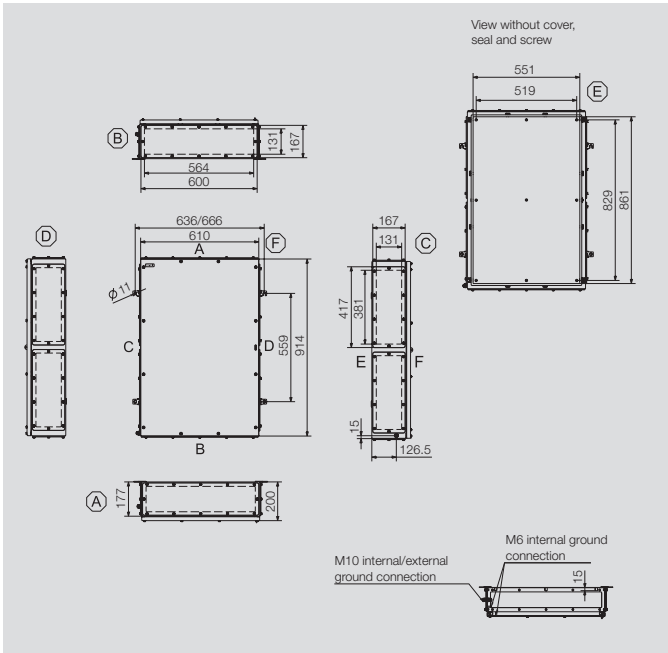
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195560000
2 gland plates - positioned up and down (A & B)	1195570000
3 gland plates - positioned down, left and right (B, C & D)	1195580000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195590000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1194040000
 Stainless steel, 1.4301	1193910000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	5x161	8x102
4 mm²	4x135	7x85
6 mm²	4x102	7x64
10 mm²	3x82	6x52
16 mm²	3x68	5x43
35 mm²	2x51	4x32

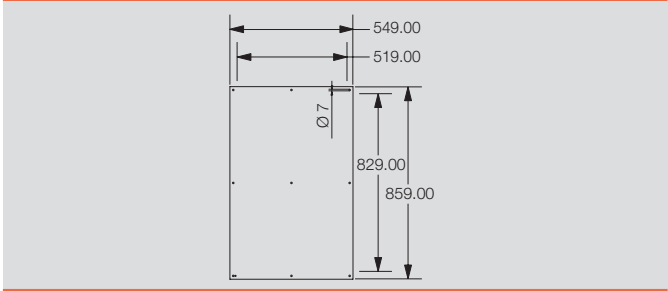
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	88	116
M16	58	80
M20	38	52
M25	33	42
M32	18	24
M40	15	20
M50	6	8
M63	5	6
M75	4	6

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth 980 / 740 / 200 mm

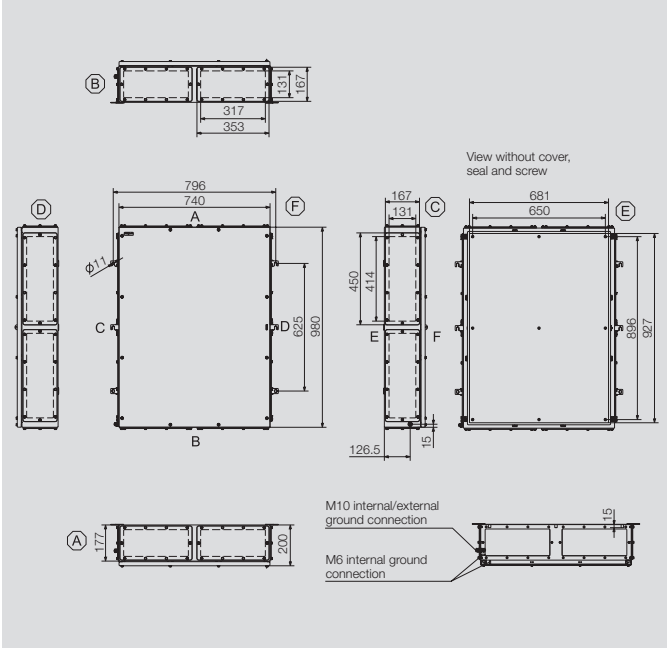
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - positioned down (B)	1195610000
2 gland plates - positioned up and down (A & B)	1195620000
3 gland plates - positioned down, left and right (B, C & D)	1195630000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1195640000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1194050000
 Stainless steel, 1.4301	1193920000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000
Padlock with two keys	
 Stainless steel, 1.4301	0905680000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	6x174	9x127
4 mm²	6x146	8x106
6 mm²	5x110	7x80
10 mm²	4x88	6x64
16 mm²	4x74	5x54
35 mm²	3x55	4x40

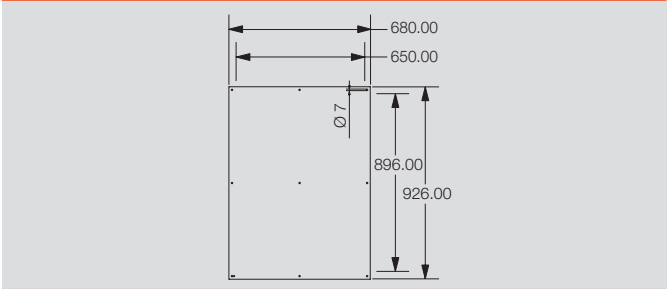
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
 M12	96	126
 M16	64	84
 M20	42	54
 M25	36	48
 M32	20	26
 M40	16	22
 M50	6	10
 M63	6	8
 M75	4	6

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

Dimensions of mounting plate



Klippon® TB QL - Quarter Lock

Stainless steel enclosures

for use in industrial and in explosive hazard areas

B

The Klippon® TB enclosure series features excellent performance characteristics, even under the most difficult environmental conditions, and comply with the stricter requirements of explosive hazard areas found in the process or power generation industries. The new Klippon® TB QL enclosure series offers further improvements to a product line that is already successfully leading the market.

Weidmüller can manufacture and supply this enclosure to match customer specifications and fitted with all necessary terminals and cable glands.



Overview of enclosures

Ordering data

Description	Length x width x depth in mm	1 Gland Plate (below)	2 Gland Plates (above + below)	3 Gland Plates (below + sides)	4 Gland Plates (all sides)
KTB QL 221513 S4E_*	229 x 152 x 133	1199860000	1199870000	1199880000	1199890000
KTB QL 262615 S4E_*	260 x 260 x 150	1199910000	1199920000	1199930000	1199940000
KTB QL 262620 S4E_*	260 x 260 x 200	1199960000	1199970000	1199980000	1199990000
KTB QL 303015 S4E_*	306 x 306 x 150	1200020000	1200030000	1200040000	1200050000
KTB QL 303020 S4E_*	306 x 306 x 200	1200070000	1200080000	1200090000	1200100000
KTB QL 352615 S4E_*	350 x 260 x 150	1200120000	1200130000	1200140000	1200150000
KTB QL 352620 S4E_*	350 x 260 x 200	1200170000	1200180000	1200190000	1200210000
KTB QL 403015 S4E_*	400 x 300 x 150	1200230000	1200240000	1200250000	1200260000
KTB QL 403020 S4E_*	400 x 300 x 200	1200280000	1200290000	1200310000	1200320000
KTB QL 453815 S4E_*	458 x 382 x 150	1200340000	1200350000	1200360000	1200370000
KTB QL 453820 S4E_*	458 x 382 x 200	1200390000	1200410000	1200420000	1200430000
KTB QL 484815 S4E_*	480 x 480 x 150	1200450000	1200460000	1200470000	1200480000
KTB QL 484820 S4E_*	480 x 480 x 200	1200510000	1200520000	1200530000	1200540000
KTB QL 553515 S4E_*	550 x 350 x 150	1200560000	1200570000	1200580000	1200590000
KTB QL 553520 S4E_*	550 x 350 x 200	1200620000	1200630000	1200640000	1200650000
KTB QL 624515 S4E_*	620 x 450 x 150	1200670000	1200680000	1200690000	1200710000
KTB QL 624520 S4E_*	620 x 450 x 200	1200730000	1200740000	1200750000	1200760000
KTB QL 765015 S4E_*	762 x 508 x 150	1200780000	1200790000	1200810000	1200820000
KTB QL 765020 S4E_*	762 x 508 x 200	1200840000	1200850000	1200860000	1200870000
KTB QL 916115 S4E_*	914 x 610 x 150	1200890000	1200910000	1200920000	1200930000
KTB QL 916120 S4E_*	914 x 610 x 200	1200950000	1200960000	1200970000	1200980000
KTB QL 987420 S4E_*	980 x 740 x 200	1201010000	1201020000	1201030000	1201040000
Note		* Placeholder for the number of gland plates (1, 2, 3, 4). Klippon® TB QL enclosures are available without gland plates on request.			

Technical Overview

Features

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Quick-locking lid, comes with a slot as standard
- Improved temperature performance
- IP66 protection class
- Earth studs in enclosure cover and bottom section
- Welded mounting feet

Note

Technical data

Enclosure material**	Stainless steel 1.4404 (316L) 1.5 mm
Surface finish	electropolished
IP protection class	IP66
NEMA protection classes	3, 4x, 12
Gland plates	1 - 4 (fixed with M6 hexagon head screws with a slot and 10 mm heads), optionally without a gland plate.
Gland plate thickness	3 mm (other thickness of up to 20 mm are available on request)
Earthing inside	Enclosure base and lid: welded M6 stainless steel earth studs
Earthing outside	Continuous M10 brass earth stud (optionally with stainless-steel earth stud)
Installation mounting	4 or 6 mounting bolts with M6 threaded holes to attach the mounting plate or mounting rails
Enclosure attachment	4 welded mounting feet with 11-mm holes (2 slotted and 2 cross-shaped openings)
Lid opening	can be removed completely, lid opening angle 130 °
Cover attachment	Quarter-turn lock with slotted insert (other inserts available on request)
Impact resistance	7 J ATEX applications, 10 J industrial applications
Gasket material	Silicone
Operating temperature range	-60 °C...+135 °C
Lid screws, torque*	2.5 Nm
Note	* To secure the lid, please use our hexagonal socket wrench with a 10 mm socket (9009070000) ** Painted steel enclosures are available on request.

Approvals for empty enclosures

ATEX certificate	KEMA 10ATEX0047 U
ATEX marking	II 2 G Ex e IIC Gb II 2 D Ex tb IIIC Db IP66
IECEx certificate	IECEx KEM 10.0016U
IECEx marking	Ex e IIC Gb Ex tb IIIC Db IP66
GOST Ex	POCC DE.ME92.B02036
GOST R	In preparation
cULus	E243298
Germanischer Lloyd	11534 - 10 HH
Russian Maritime Register	10.04095.250
Note	The Klippon® TB QL enclosure series can be pre-fitted in our customer specific production department according to your wishes; as an example, terminals, or other approved components, can be installed as required.

Approvals for control and distribution box

ATEX certificate	KEMA 10ATEX0051
ATEX marking	II 2 G Ex eb IIC T6...T4 II 1 G Ex ia IIC T6...T4 II 2(1) G Ex eb ia IIC T6...T4 II 2 D Ex tb IIIC T85 °C...T135 °C IP66
IECEx certificate	IECEx KEM 10.0020
IECEx marking	Ex eb IIC T... Ex ia IIC T... Ex eb ia IIC T... Ex tb IIIC T85 °C...T135 °C IP66
Note	Labelling depends on the application layout.

Klippon® TB QL 221513

Depth 133 mm



Height/Width/Depth 229 / 152 / 133 mm

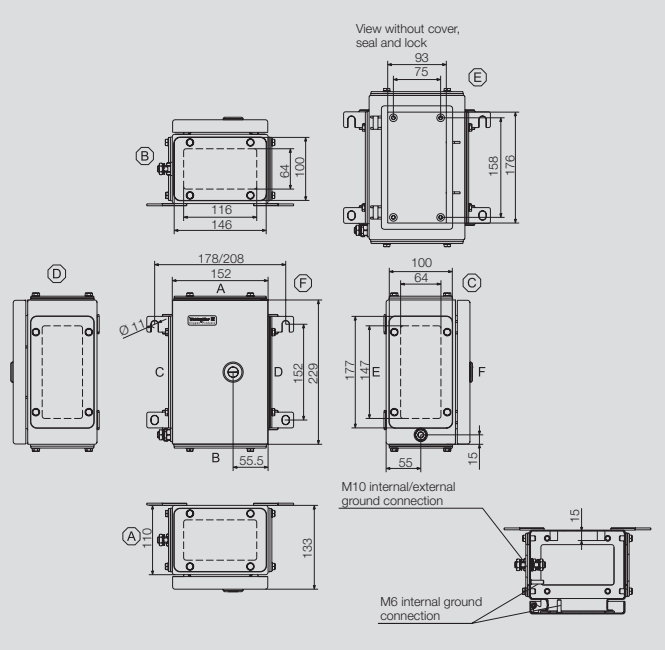
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1199860000
2 gland plates - positioned up and down (A & B)	1199870000
3 gland plates - positioned down, left and right (B, C & D)	1199880000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1199890000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193930000
Stainless steel, 1.4301	1193810000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	1x29	1x15
4 mm²		1x13
6 mm²		1x9
10 mm²		1x7
16 mm²		1x6
35 mm²		

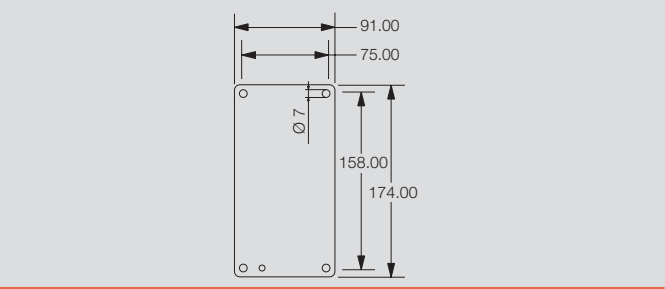
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	6	8
M16	5	6
M20	2	3
M25	2	2
M32	1	2
M40	1	2
M50	0	0
M63	0	0
M75	0	0

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

Dimensions of mounting plate





Height/Width/Depth

260 / 260 / 150 mm

Ordering data

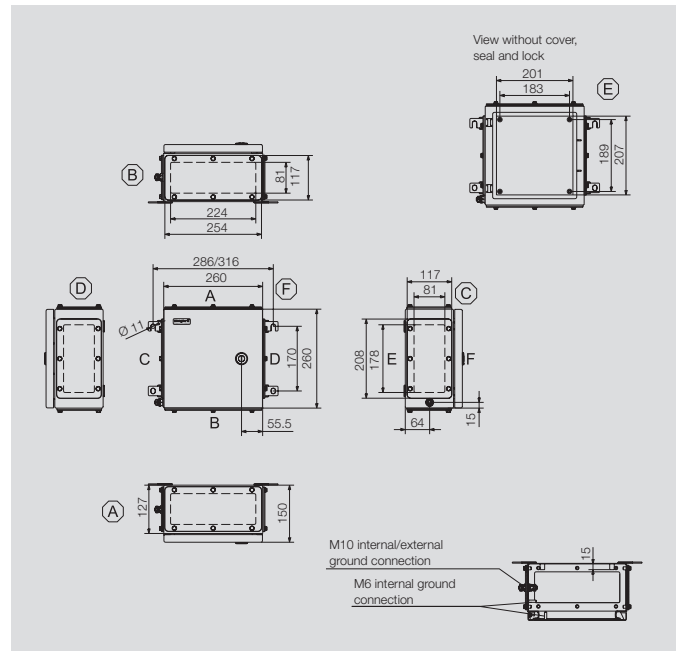
Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1199910000
2 gland plates - positioned up and down (A & B)	1199920000
3 gland plates - positioned down, left and right (B, C & D)	1199930000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1199940000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193950000
Stainless steel, 1.4301	1193820000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x35	2x34
4 mm²	1x30	1x29
6 mm²	1x22	1x22
10 mm²	1x18	1x17
16 mm²	1x15	1x14
35 mm²		

Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

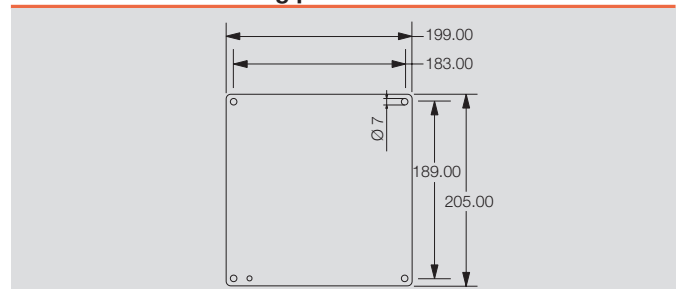
Number of cable entries

Number of cable entries	A / B	C / D
M12	20	15
M16	11	8
M20	9	7
M25	4	3
M32	3	2
M40	3	2
M50	2	2
M63	0	0
M75	0	0

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB QL 262620

Depth 200 mm



Height/Width/Depth 260 / 260 / 200 mm

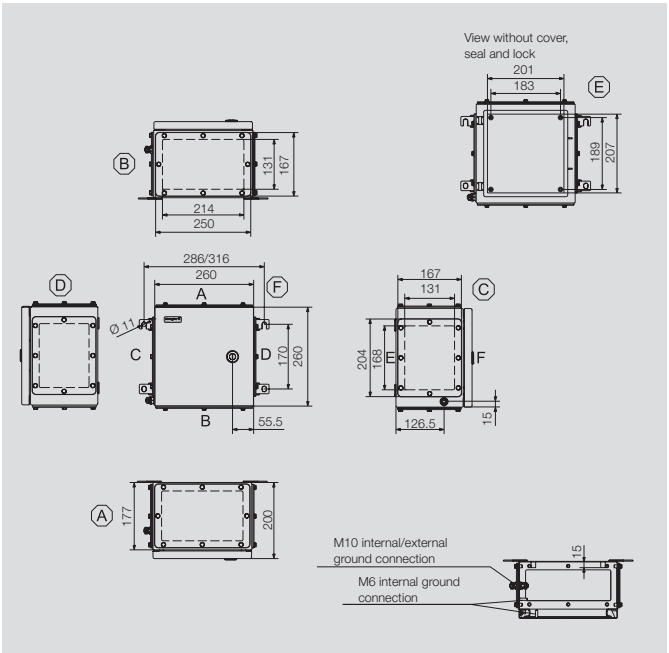
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1199960000
2 gland plates - positioned up and down (A & B)	1199970000
3 gland plates - positioned down, left and right (B, C & D)	1199980000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1199990000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193950000
Stainless steel, 1.4301	1193820000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x35	2x34
4 mm²	1x30	1x29
6 mm²	1x22	1x22
10 mm²	1x18	1x17
16 mm²	1x15	1x14
35 mm²		

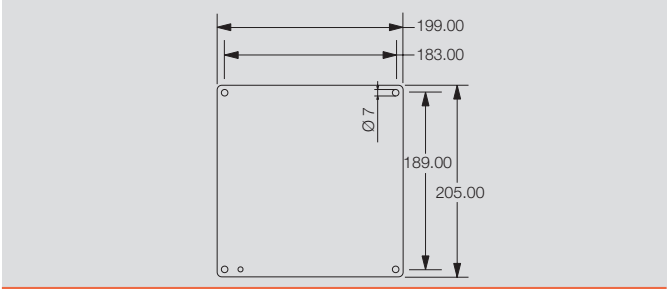
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	33	25
M16	22	16
M20	14	11
M25	12	9
M32	6	4
M40	5	4
M50	2	2
M63	2	1
M75	1	1

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

Dimensions of mounting plate



Klippon® TB QL - Quarter Lock

Klippon® TB QL 303015

Depth 150 mm



Height/Width/Depth

306 / 306 / 150 mm

Ordering data

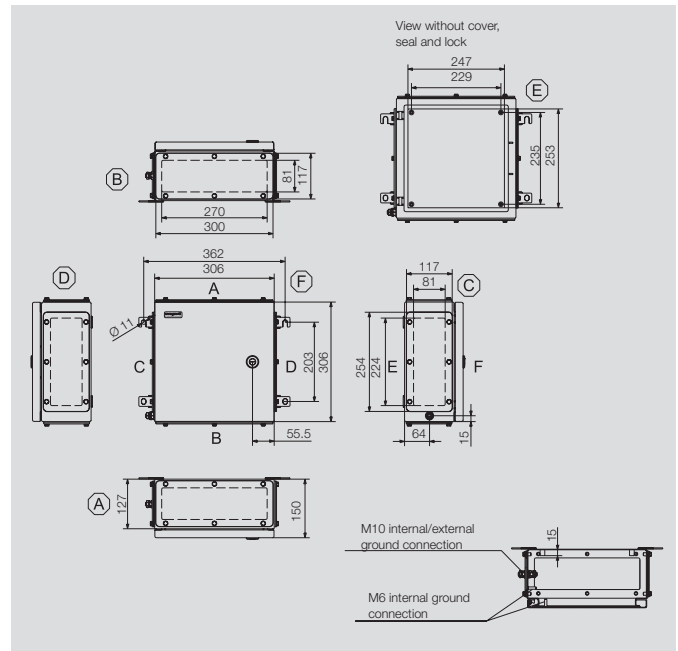
Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200020000
2 gland plates - positioned up and down (A & B)	1200030000
3 gland plates - positioned down, left and right (B, C & D)	1200040000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200050000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193960000
Stainless steel, 1.4301	1193830000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x44	2x43
4 mm²	2x37	2x36
6 mm²	2x28	2x27
10 mm²	1x22	1x22
16 mm²	1x19	1x18
35 mm²	1x14	1x13

Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal)

ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000

TS32 mounting rail (screw terminal) SAK 2.5 0279660000

TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

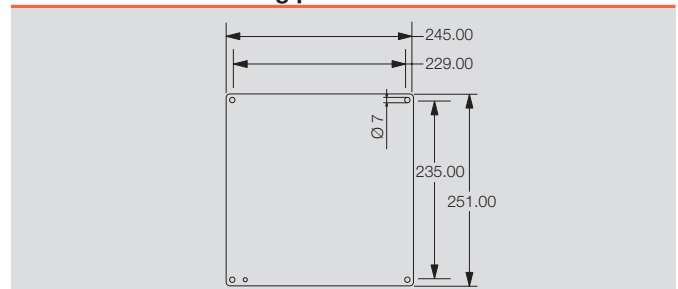
Number of cable entries

Number of cable entries	A / B	C / D
M12	24	20
M16	13	11
M20	11	9
M25	5	4
M32	4	3
M40	3	3
M50	3	2
M63	0	0
M75	0	0

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth

306 / 306 / 200 mm

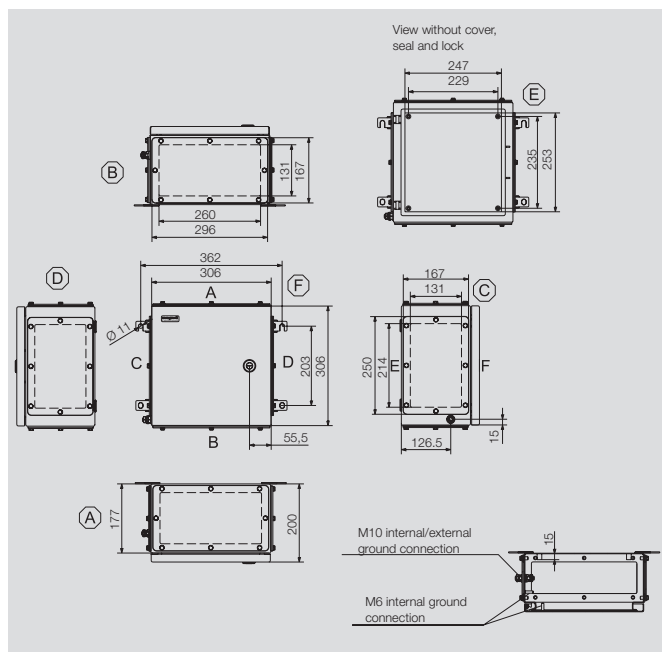
Ordering data

Stainless steel 1.4404 316L, electropolished		Order No.
	1 gland plate - bottom	1200070000
	2 gland plates - positioned up and down (A & B)	1200080000
	3 gland plates - positioned down, left and right (B, C & D)	1200090000
	4 gland plates - positioned up, down, left and right (A, B, C & D)	1200100000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate		Order No.
	Steel sheet, galvanised	1193960000
	Stainless steel, 1.4301	1193830000
Stainless steel-Spacer M6 x 8, set of 4		
	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2		
	15 mm length	3896100000
	20 mm length	3896200000
	30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm ²	2x44	2x43
4 mm ²	2x37	2x36
6 mm ²	2x28	2x27
10 mm ²	1x22	1x22
16 mm ²	1x19	1x18
35 mm ²	1x14	1x13



Note

For enclosure version with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 25 1020000000 / (tension clamp terminal) ZU 2 1808510000 / (tension clamp terminal) WDU 25 1896110000

TS32 mounting rail (screw terminal) SAK 2 5 027960000

TS15 mounting rail (screw terminal) AKW 2 25 0697160000

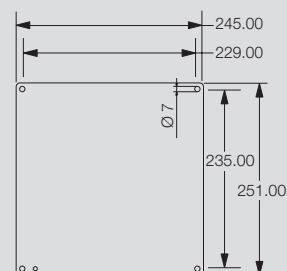
Number of cable entries

Number of cable entries		A / B	C / D
	M12	40	33
	M16	26	22
	M20	17	14
	M25	14	12
	M32	8	6
	M40	6	5
	M50	3	2
	M63	2	2
	M75	2	1

Note

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

Dimensions of mounting plate





Height/Width/Depth 350 / 260 / 150 mm

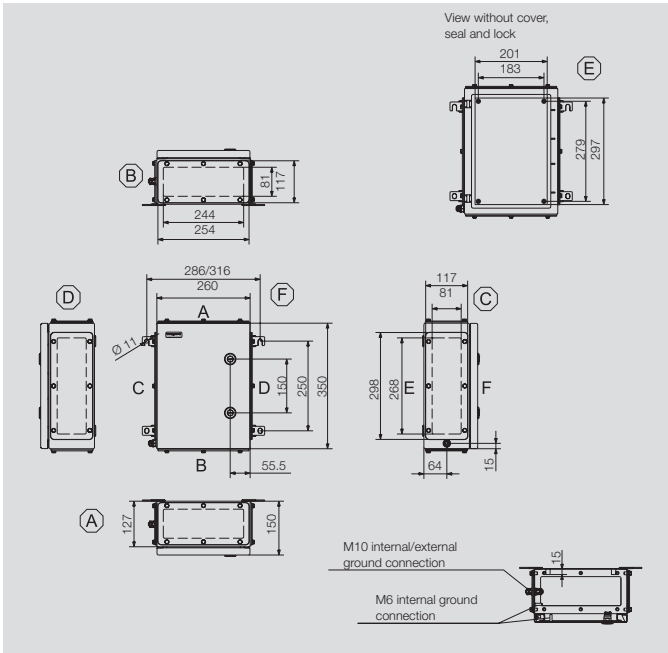
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200120000
2 gland plates - positioned up and down (A & B)	1200130000
3 gland plates - positioned down, left and right (B, C & D)	1200140000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200150000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193970000
Stainless steel, 1.4301	1193840000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x53	2x34
4 mm²	1x44	2x29
6 mm²	1x33	2x22
10 mm²	1x27	2x17
16 mm²	1x22	1x14
35 mm²		1x11

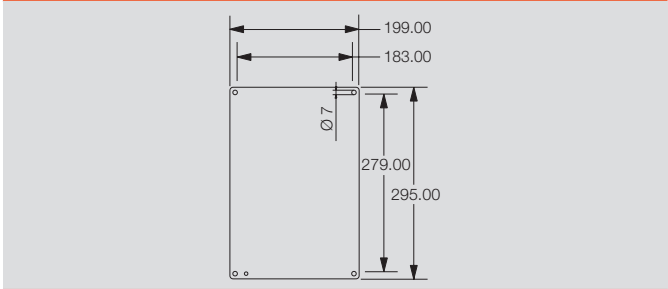
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	20	23
M16	11	13
M20	9	11
M25	4	5
M32	3	4
M40	3	3
M50	2	3
M63	0	0
M75	0	0

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

Dimensions of mounting plate



Klippon® TB QL 352620

Depth 200 mm



Height/Width/Depth 350 / 260 / 200 mm

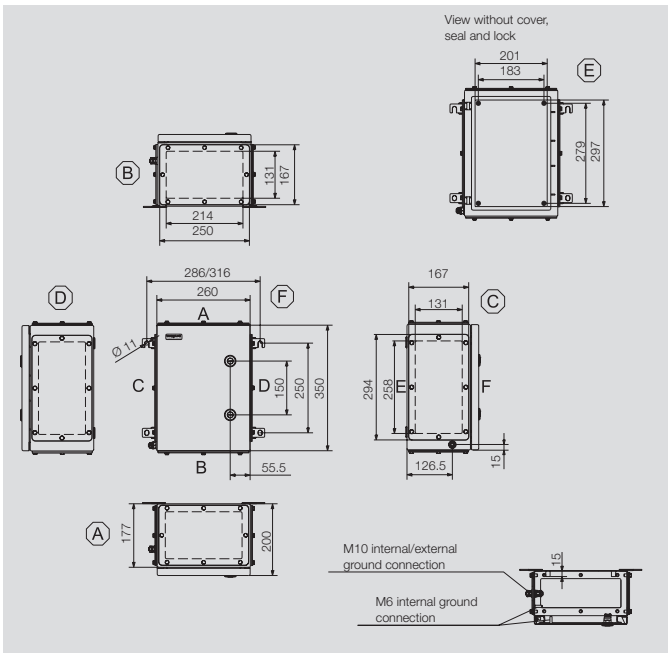
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200170000
2 gland plates - positioned up and down (A & B)	1200180000
3 gland plates - positioned down, left and right (B, C & D)	1200190000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200210000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193970000
Stainless steel, 1.4301	1193840000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x53	2x34
4 mm²	1x44	2x29
6 mm²	1x33	2x22
10 mm²	1x27	2x17
16 mm²	1x22	1x14
35 mm²		1x11

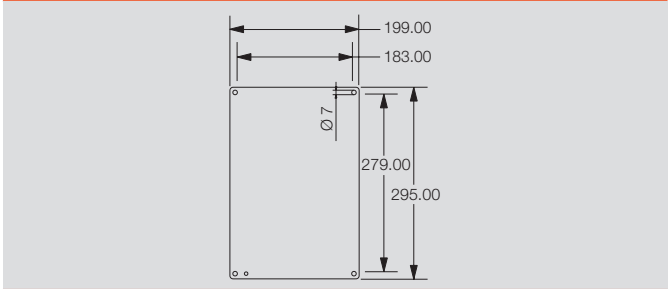
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	33	38
M16	22	26
M20	14	17
M25	12	14
M32	6	7
M40	5	6
M50	2	3
M63	2	2
M75	1	2

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth

400 / 300 / 150 mm

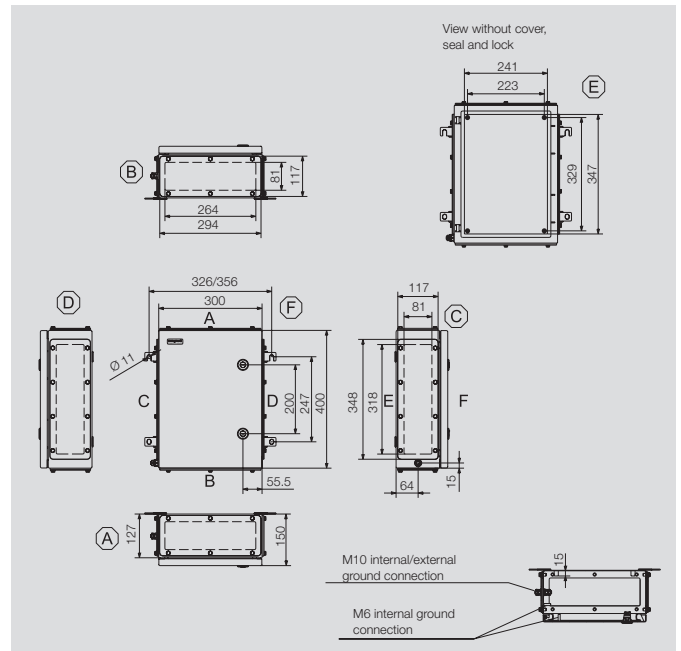
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200230000
2 gland plates - positioned up and down (A & B)	1200240000
3 gland plates - positioned down, left and right (B, C & D)	1200250000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200260000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1193980000
 Stainless steel, 1.4301	1193850000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x62	3x42
4 mm²	2x52	3x35
6 mm²	1x39	2x26
10 mm²	1x32	2x21
16 mm²	1x26	2x18
35 mm²	1x20	1x13



Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

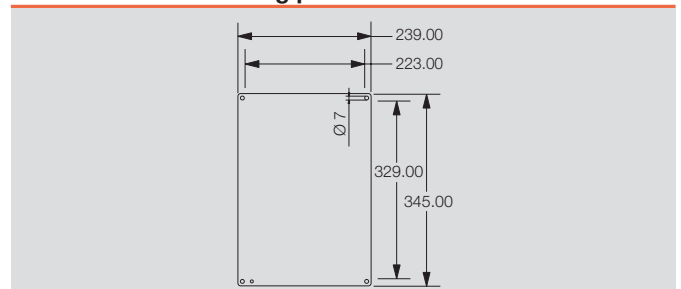
Number of cable entries

Number of cable entries	A / B	C / D
 M12	23	29
 M16	13	16
 M20	11	13
 M25	5	6
 M32	4	5
 M40	3	4
 M50	3	3
 M63	0	0
 M75	0	0

Note

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

Dimensions of mounting plate



Klippon® TB QL 403020

Depth 200 mm



Height/Width/Depth 400 / 300 / 200 mm

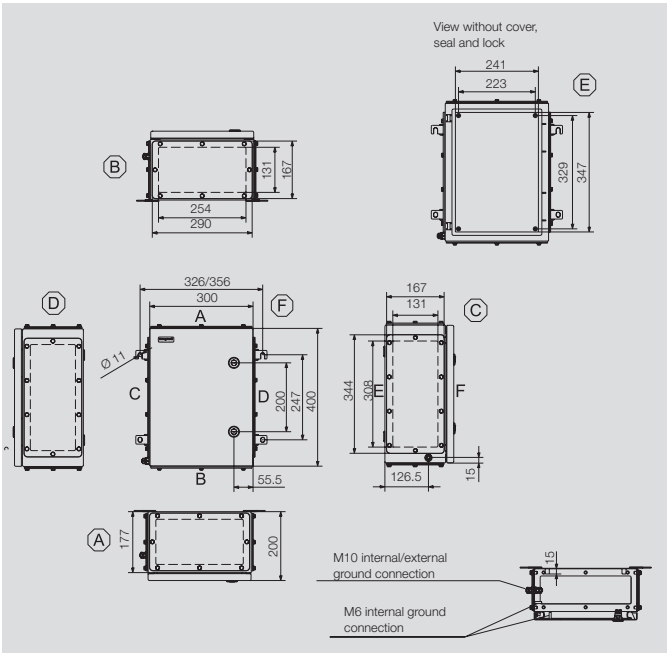
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200280000
2 gland plates - positioned up and down (A & B)	1200290000
3 gland plates - positioned down, left and right (B, C & D)	1200310000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200320000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1193980000
Stainless steel, 1.4301	1193850000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x62	3x42
4 mm²	2x52	3x35
6 mm²	1x39	2x26
10 mm²	1x32	2x21
16 mm²	1x26	2x18
35 mm²	1x20	1x13

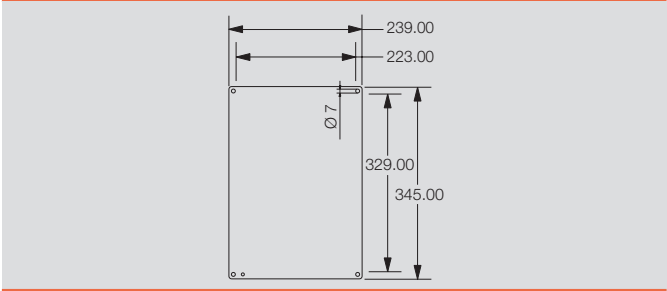
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
 M12	38	48
M16	26	32
M20	17	20
M25	14	17
M32	7	9
M40	6	7
M50	3	3
M63	2	3
M75	2	2

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB QL - Quarter Lock

Klippon® TB QL 453815

Depth 150 mm



Height/Width/Depth

458 / 382 / 150 mm

Ordering data

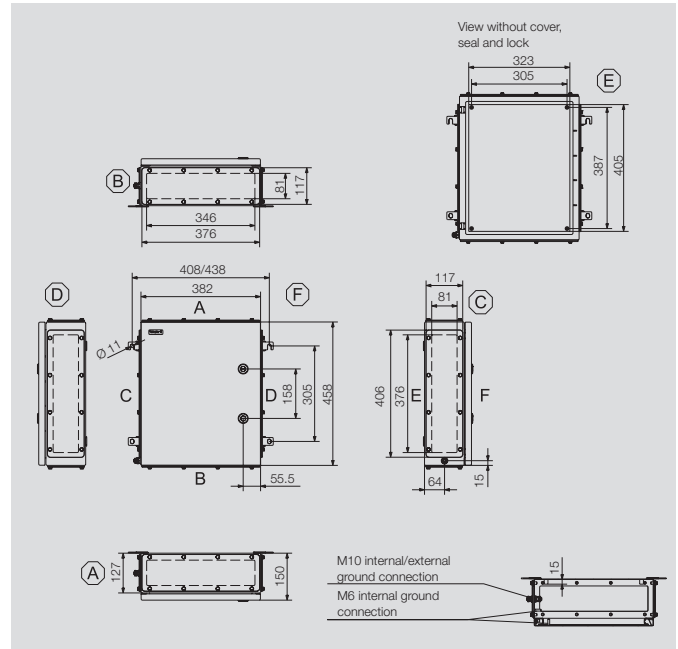
Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200340000
2 gland plates - positioned up and down (A & B)	1200350000
3 gland plates - positioned down, left and right (B, C & D)	1200360000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200370000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193990000
Stainless steel, 1.4301	1193860000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x73	4x58
4 mm²	2x62	3x48
6 mm²	2x46	3x36
10 mm²	2x37	2x29
16 mm²	2x31	2x24
35 mm²	1x23	1x18

Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000

TS32 mounting rail (screw terminal) SAK 2.5 0279660000

TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

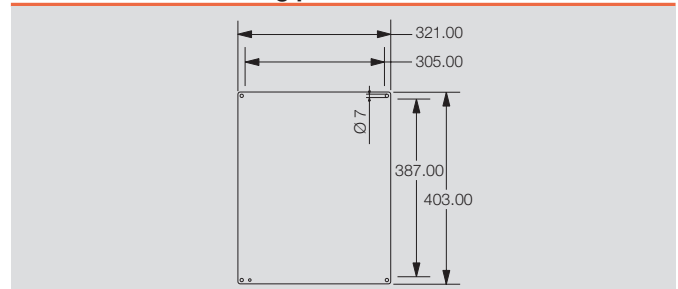
Number of cable entries

Number of cable entries	A / B	C / D
M12	30	33
M16	17	19
M20	15	16
M25	6	7
M32	5	6
M40	4	5
M50	4	4
M63	0	0
M75	0	0

Note

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

Dimensions of mounting plate



Klippon® TB QL 453820

Depth 200 mm



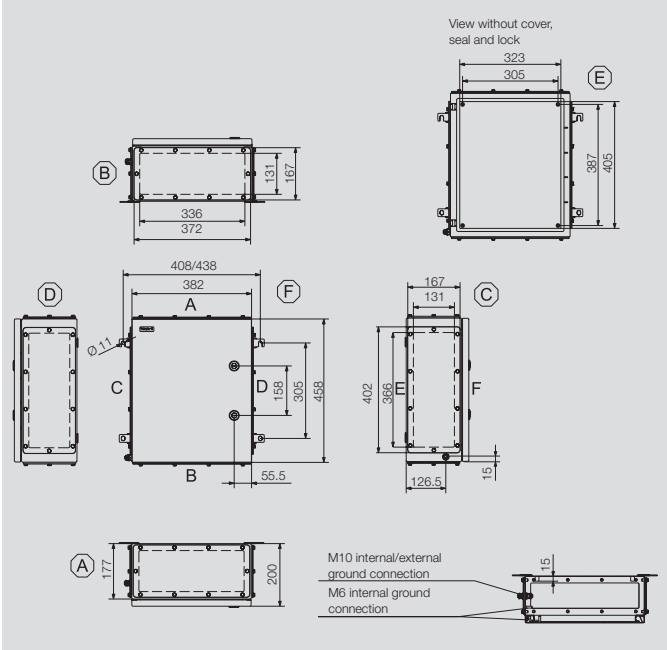
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200390000
2 gland plates - positioned up and down (A & B)	1200410000
3 gland plates - positioned down, left and right (B, C & D)	1200420000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200430000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1193990000
Stainless steel, 1.4301	1193860000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x73	4x58
4 mm²	2x62	3x48
6 mm²	2x46	3x36
10 mm²	2x37	2x29
16 mm²	2x31	2x24
35 mm²	1x23	1x18

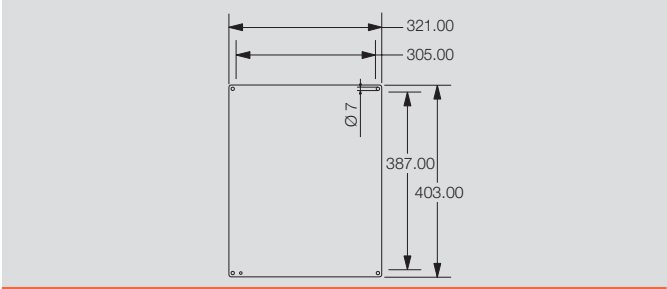
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	50	55
M16	34	38
M20	23	24
M25	18	21
M32	10	11
M40	8	9
M50	4	4
M63	3	3
M75	2	3

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB QL - Quarter Lock

Klippon® TB QL 484815

Depth 150 mm



Height/Width/Depth

480 / 480 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200450000
2 gland plates - positioned up and down (A & B)	1200460000
3 gland plates - positioned down, left and right (B, C & D)	1200470000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200480000

Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

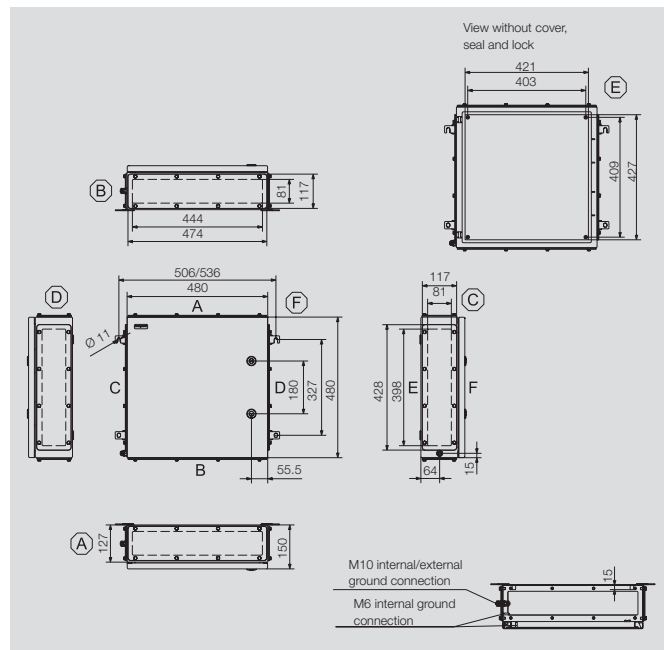
Mounting plate	Order No.
Steel sheet, galvanised	1194000000
Stainless steel, 1.4301	1193870000

Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000

Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x78	4x77
4 mm²	3x65	3x64
6 mm²	3x49	3x48
10 mm²	2x39	3x39
16 mm²	2x33	2x32
35 mm²	1x25	2x24

Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal)

ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000

TS32 mounting rail (screw terminal) SAK 2.5 0279660000

TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

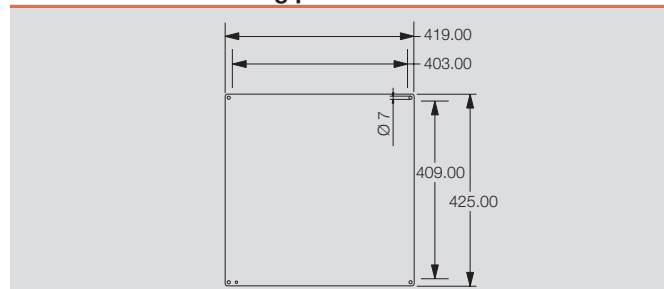
Number of cable entries

Number of cable entries	A / B	C / D
M12	39	36
M16	22	20
M20	19	17
M25	8	7
M32	7	6
M40	6	5
M50	5	4
M63	0	0
M75	0	0

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB QL 484820

Depth 200 mm



Height/Width/Depth 480 / 480 / 200 mm

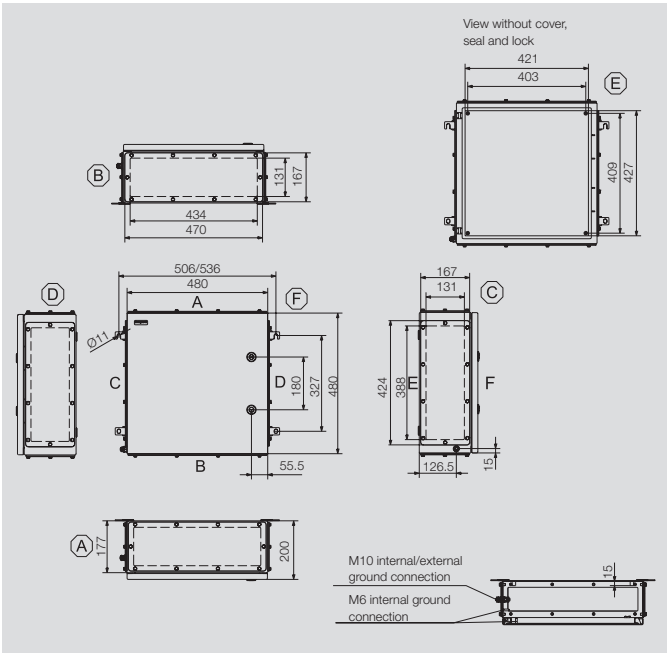
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200510000
2 gland plates - positioned up and down (A & B)	1200520000
3 gland plates - positioned down, left and right (B, C & D)	1200530000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200540000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1194000000
 Stainless steel, 1.4301	1193870000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x78	4x77
4 mm²	3x65	3x64
6 mm²	3x49	3x48
10 mm²	2x39	3x39
16 mm²	2x33	2x32
35 mm²	1x25	2x24

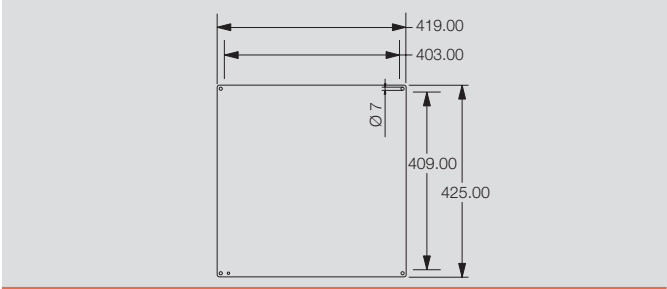
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
 M12	65	60
 M16	44	40
 M20	29	26
 M25	24	21
 M32	13	12
 M40	11	10
 M50	5	4
 M63	4	4
 M75	3	3

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

Dimensions of mounting plate





Height/Width/Depth 550 / 350 / 150 mm

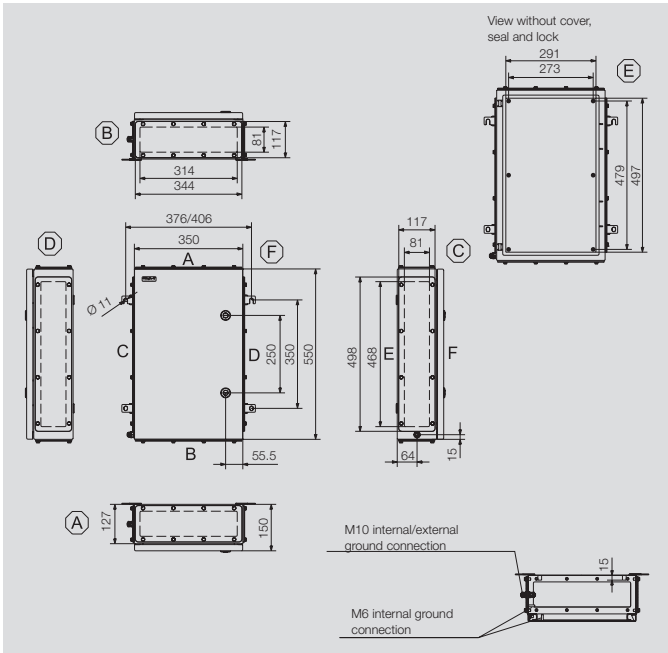
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200560000
2 gland plates - positioned up and down (A & B)	1200570000
3 gland plates - positioned down, left and right (B, C & D)	1200580000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200590000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194010000
Stainless steel, 1.4301	1193880000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x91	4x52
4 mm²	2x76	4x43
6 mm²	2x58	4x32
10 mm²	2x46	3x26
16 mm²	1x39	3x22
35 mm²	1x29	2x16

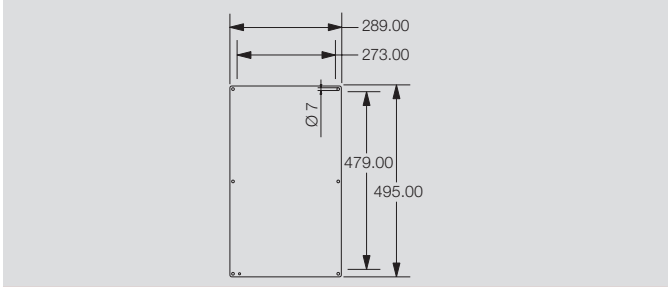
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	27	42
M16	15	24
M20	13	20
M25	6	9
M32	5	7
M40	4	6
M50	3	5
M63	0	0
M75	0	0

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB QL 553520

Depth 200 mm



Height/Width/Depth 550 / 350 / 200 mm

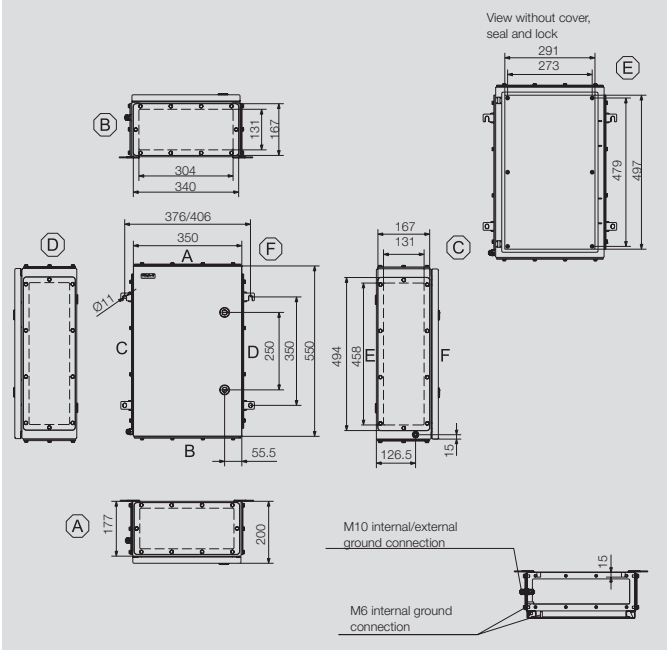
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200620000
2 gland plates - positioned up and down (A & B)	1200630000
3 gland plates - positioned down, left and right (B, C & D)	1200640000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200650000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194010000
Stainless steel, 1.4301	1193880000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	2x91	4x52
4 mm²	2x76	4x43
6 mm²	2x58	4x32
10 mm²	2x46	3x26
16 mm²	1x39	3x22
35 mm²	1x29	2x16

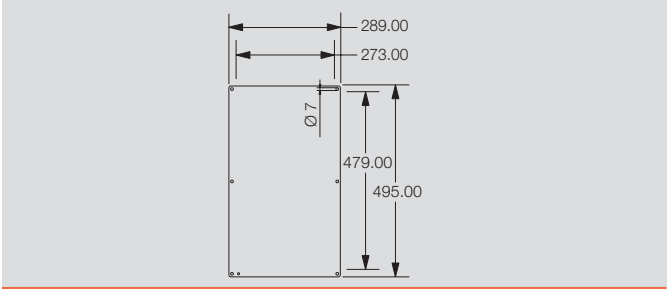
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	45	70
M16	30	48
M20	20	30
M25	17	26
M32	9	14
M40	7	12
M50	3	5
M63	3	4
M75	2	3

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

Dimensions of mounting plate





Height/Width/Depth

620 / 450 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200670000
2 gland plates - positioned up and down (A & B)	1200680000
3 gland plates - positioned down, left and right (B, C & D)	1200690000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200710000

Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

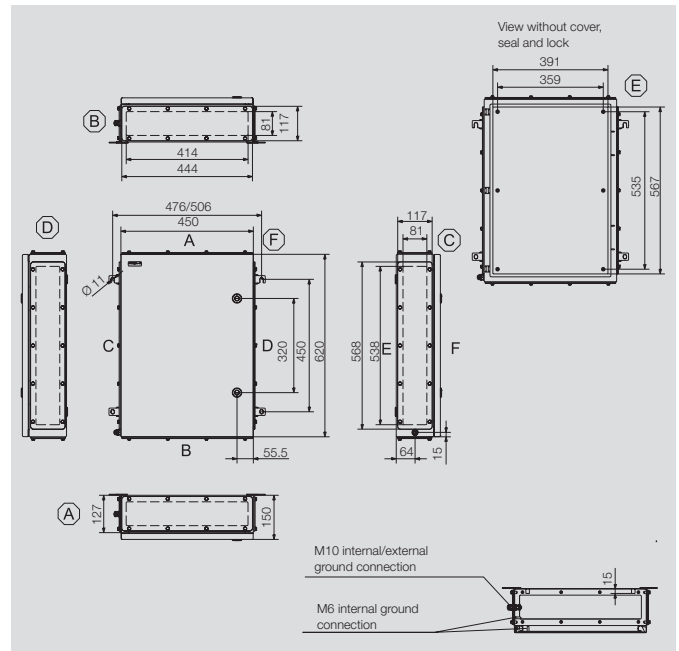
Mounting plate	Order No.
Steel sheet, galvanised	1194020000
Stainless steel, 1.4301	1193890000

Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000

Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note

System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x105	5x71
4 mm²	3x88	5x59
6 mm²	3x66	4x45
10 mm²	2x53	4x36
16 mm²	2x44	3x30
35 mm²	1x33	2x22

Note

*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.

Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.

Recommended order:

TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal)

ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000

TS32 mounting rail (screw terminal) SAK 2.5 0279660000

TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

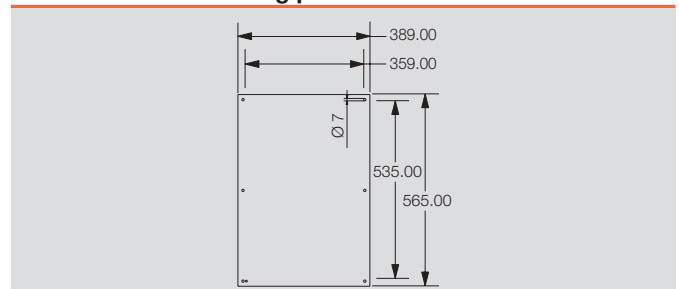
Number of cable entries

Number of cable entries	A / B	C / D
M12	38	48
M16	21	27
M20	18	24
M25	8	10
M32	6	9
M40	5	7
M50	4	6
M63	0	0
M75	0	0

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB QL 624520

Depth 200 mm



Height/Width/Depth 620 / 450 / 200 mm

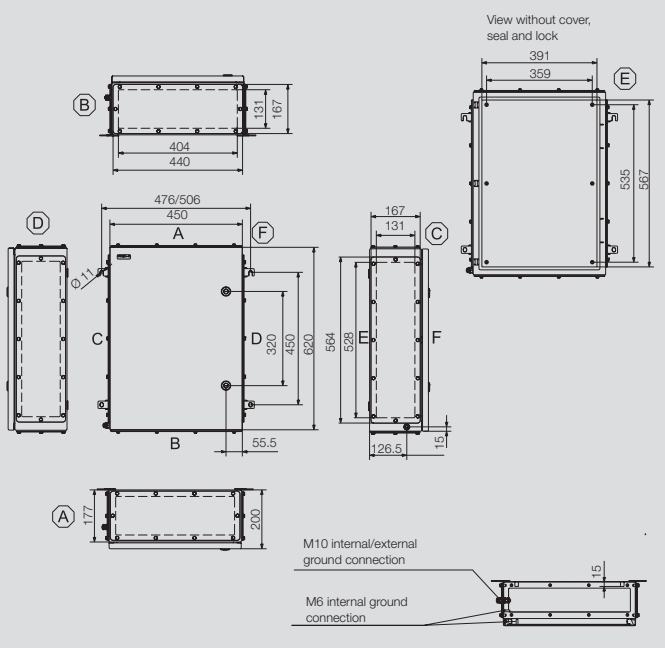
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200730000
2 gland plates - positioned up and down (A & B)	1200740000
3 gland plates - positioned down, left and right (B, C & D)	1200750000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200760000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194020000
Stainless steel, 1.4301	1193890000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	3x105	5x71
4 mm²	3x88	5x59
6 mm²	3x66	4x45
10 mm²	2x53	4x36
16 mm²	2x44	3x30
35 mm²	1x33	2x22

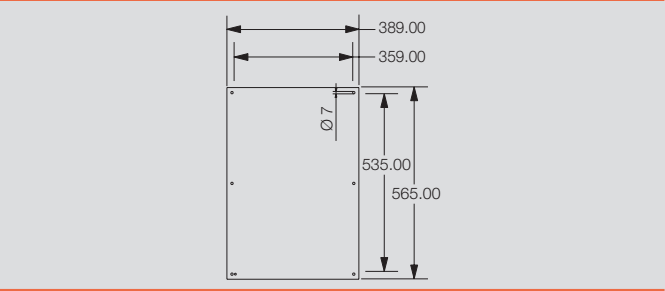
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	63	80
M16	42	54
M20	27	36
M25	23	30
M32	12	17
M40	10	14
M50	4	6
M63	4	5
M75	3	4

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

Dimensions of mounting plate





Height/Width/Depth 762 / 508 / 150 mm

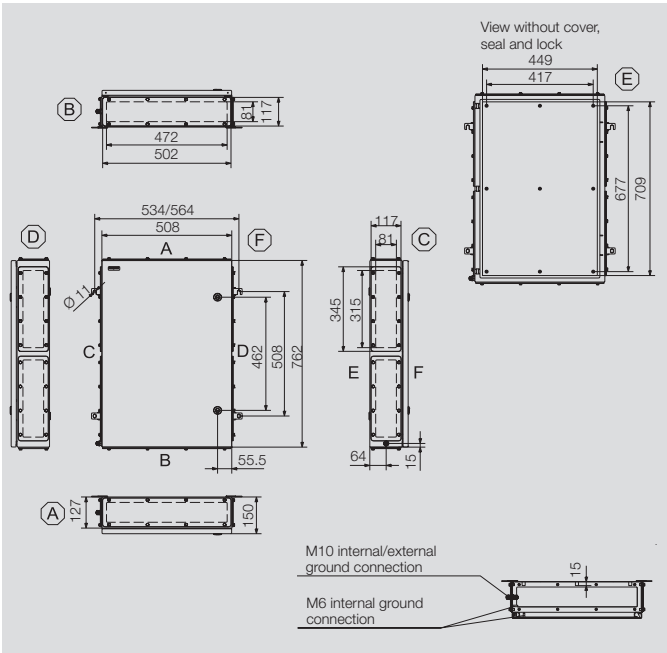
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200780000
2 gland plates - positioned up and down (A & B)	1200790000
3 gland plates - positioned down, left and right (B, C & D)	1200810000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200820000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194030000
Stainless steel, 1.4301	1193900000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x132	7x82
4 mm²	4x111	6x69
6 mm²	3x83	5x52
10 mm²	3x67	5x42
16 mm²	2x56	4x35
35 mm²	2x42	3x26

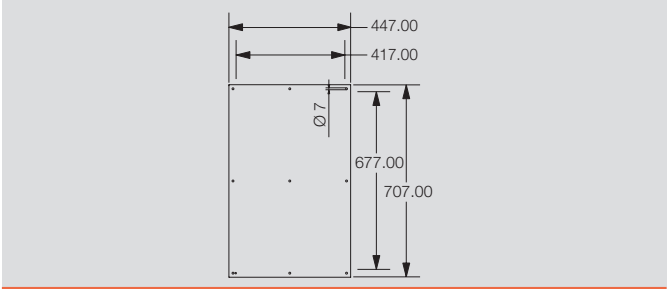
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	42	58
M16	24	32
M20	21	26
M25	9	12
M32	7	10
M40	6	8
M50	5	6
M63	0	0
M75	0	0

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

Dimensions of mounting plate



Klippon® TB QL 765020

Depth 200 mm



Height/Width/Depth 762 / 508 / 200 mm

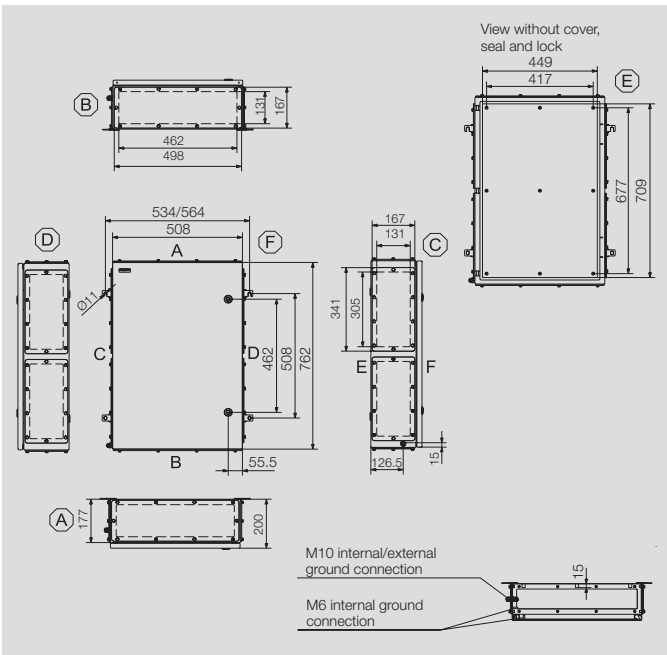
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200840000
2 gland plates - positioned up and down (A & B)	1200850000
3 gland plates - positioned down, left and right (B, C & D)	1200860000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200870000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
 Steel sheet, galvanised	1194030000
 Stainless steel, 1.4301	1193900000
Stainless steel-Spacer M6 x 8, set of 4	
 10 mm length	0935110000
 15 mm length	0935120000
 20 mm length	0935130000
 30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
 15 mm length	3896100000
 20 mm length	3896200000
 30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	4x132	7x82
4 mm²	4x111	6x69
6 mm²	3x83	5x52
10 mm²	3x67	5x42
16 mm²	2x56	4x35
35 mm²	2x42	3x26

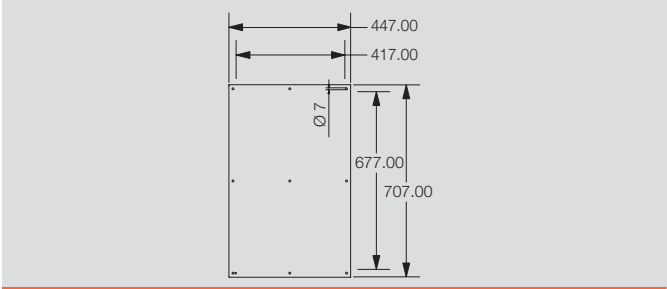
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
 M12	70	96
 M16	48	64
 M20	32	40
 M25	26	34
 M32	14	18
 M40	12	14
 M50	5	6
 M63	4	6
 M75	3	4

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height/Width/Depth 914 / 610 / 150 mm

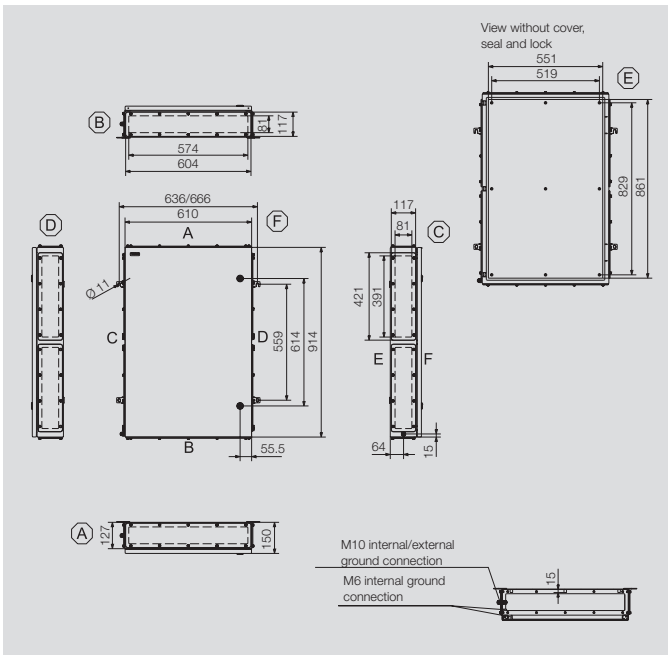
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200890000
2 gland plates - positioned up and down (A & B)	1200910000
3 gland plates - positioned down, left and right (B, C & D)	1200920000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200930000
Note Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.	

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194040000
Stainless steel, 1.4301	1193910000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	5x161	8x102
4 mm²	4x135	7x85
6 mm²	4x102	7x64
10 mm²	3x82	6x52
16 mm²	3x68	5x43
35 mm²	2x51	4x32

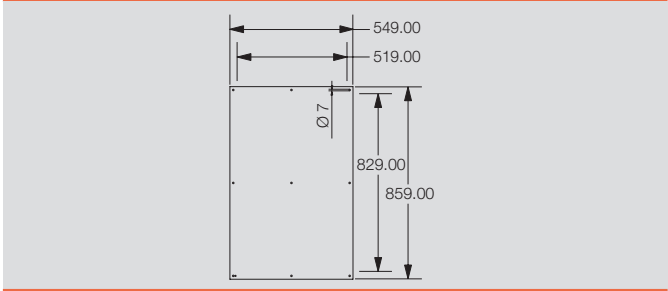
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	53	70
M16	29	40
M20	25	34
M25	11	14
M32	9	12
M40	8	10
M50	6	8
M63	0	0
M75	0	0

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® TB QL 916120

Depth 200 mm



Height/Width/Depth 914 / 610 / 200 mm

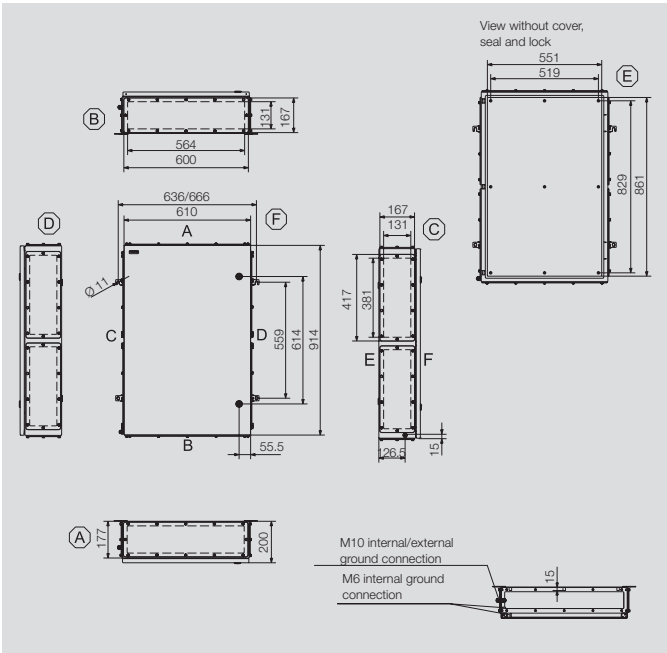
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1200950000
2 gland plates - positioned up and down (A & B)	1200960000
3 gland plates - positioned down, left and right (B, C & D)	1200970000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1200980000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194040000
Stainless steel, 1.4301	1193910000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	5x161	8x102
4 mm²	4x135	7x85
6 mm²	4x102	7x64
10 mm²	3x82	6x52
16 mm²	3x68	5x43
35 mm²	2x51	4x32

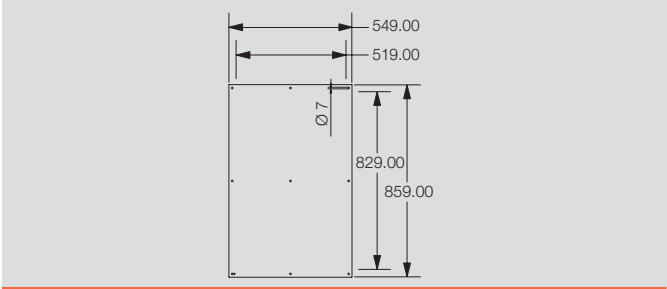
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	88	116
M16	58	80
M20	38	52
M25	33	42
M32	18	24
M40	15	20
M50	6	8
M63	5	6
M75	4	6

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

Dimensions of mounting plate





Height/Width/Depth 980 / 740 / 200 mm

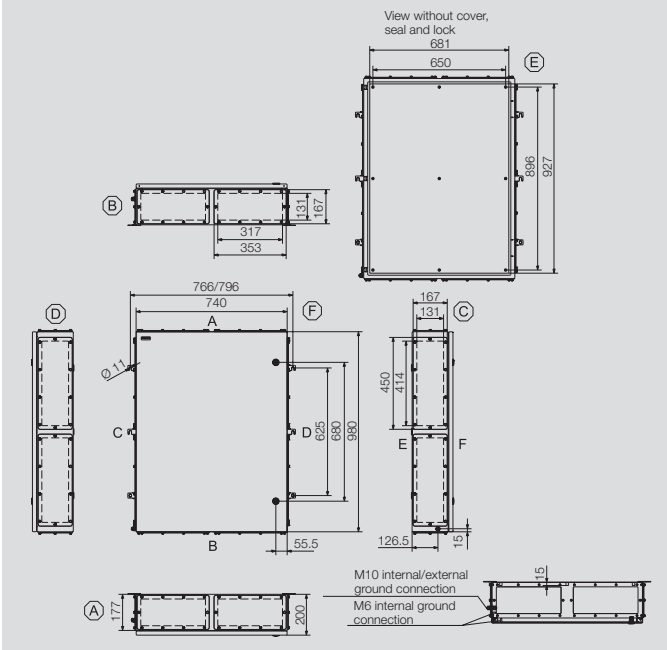
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
1 gland plate - bottom	1201010000
2 gland plates - positioned up and down (A & B)	1201020000
3 gland plates - positioned down, left and right (B, C & D)	1201030000
4 gland plates - positioned up, down, left and right (A, B, C & D)	1201040000
Note	Painted sheet steel enclosure available on request. Standard colour is similar to RAL 7035.

Accessories

Mounting plate	Order No.
Steel sheet, galvanised	1194050000
Stainless steel, 1.4301	1193920000
Stainless steel-Spacer M6 x 8, set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000

Note System accessories can be found after the Klippon® TB QL product pages.



Max. number of terminals (industry)

Max. number of terminals (industry)	vertical	horizontal
2.5 mm²	6x174	9x127
4 mm²	6x146	8x106
6 mm²	5x110	7x80
10 mm²	4x88	6x64
16 mm²	4x74	5x54
35 mm²	3x55	4x40

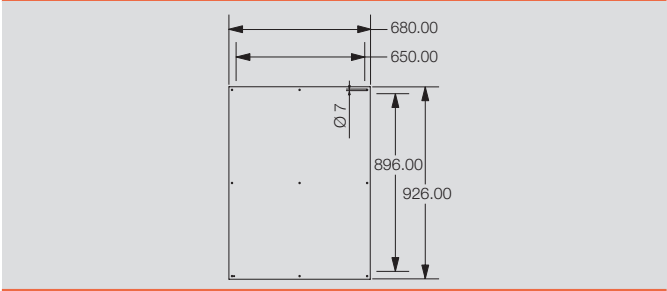
Note *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
TS32 mounting rail (screw terminal) SAK 2.5 0279660000
TS15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
M12	96	126
M16	64	84
M20	42	54
M25	36	48
M32	20	26
M40	16	22
M50	6	10
M63	6	8
M75	4	6

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

Dimensions of mounting plate



Integrate, expand and customise: the perfect supplement to every application

The fully structured range of system accessories for the Klippon® TB enclosure series allows you to easily adapt the enclosure to meet the specific requirements of every application.

The following options are available:

- Type label holder – to attach nameplates
- Mounting kit – to mount and secure components
- Door stay – to securely hold the opened enclosure lid
- Document holder – available in A4, A5 and A6 sizes to keep documents in
- Mounting plates – for custom enclosure component assembly
- Removable gland plates (3 mm or 6 mm versions) for the later addition of components like cable glands or heavy-duty connectors.
- Earth studs – brass or stainless steel
- 1/4-quarter lock – locking Inserts with two-way security lock or a slot, made from 1.4404 or 1.4301 stainless steel to securely lock the enclosure (Klippon® TB QL)
- Stainless steel padlock (Klippon® TB MH)

Other accessories such as rain hoods, spacers, and more are available on request.

Using the appropriate quality tools from Weidmüller guarantees a professional process – they can be found in chapter G.

All in all: ease of operation, maximum functionality and safety for the application and the user.

B



Small stainless steel and steel sheet enclosure series

Ideally suited for the energy and process industry and transportation, the Klippon® STB series is the perfect complement to our existing Klippon® enclosure product line. Enclosures of this series comply with international standards such as EN 62208 and EN 60079-0/7 (ATEX).

Some of the many advantages of these cases are:

- Available in stainless steel or in steel sheet
- Higher temperature resistant seals than the standard (extended temperature range of -60 °C to +100 °C / 120 °C, on request)
- Flexible options when mounting the internal rail
- The gasket is protected against compression; this ensures that a permanent and secure seal is maintained.
- Earth studs in the lid and in the enclosure base
- Lasered welding seams offer improved quality
- Delivered with welded mounting feet to ensure a sturdy enclosure installation

Weidmüller can manufacture and supply this enclosure to match customer specifications and fitted with all necessary terminals and cable glands.



Overview of enclosures

Ordering data

Description	Dimensions	Mirror-polish	Electropolished	Powder-coated (RAL7032)
Klippon® STB 1	120 x 120 x 80	1002690000	1058810000	1024970000
Klippon® STB 1.1	150 x 120 x 80	1002750000	1058820000	1024980000
Klippon® STB 2	150 x 150 x 90	1002740000	1058830000	1024990000
Klippon® STB 2.1	190 x 150 x 90	1002730000	1058840000	1025010000
Klippon® STB 3	190 x 190 x 100	1002720000	1058850000	1025020000
Klippon® STB 4	250 x 250 x 120	1002710000	1058860000	1025030000
Klippon® STB 5	160 x 380 x 120	1002700000	1058880000	1025040000
Klippon® STB 6	250 x 400 x 130	1002760000	1058870000	1025050000

Technical Overview

Features

- Mirror-polished or electropolished stainless steel 1.4404 (316L) or powder coated steel sheet 1.0330
 - Fitted with a welded, internal C-profile rail (TAS 20) and mounting feet
 - Laser cut weld seams
 - Approved according to the latest international norms (e.g. ATEX, cULus, GOST)
- Note:** We deliver enclosures through our assembly service which are ready to be connected and suitable for every application

Technical data

	Stainless steel	Sheet steel
Enclosure material	Stainless steel 1.4404 (316L) 1.50 mm	Steel sheet 1.0330 1.50 mm
Surface finish	mirror-polished, electropolished	powder-coated RAL 7032
IP protection class	IP 66	IP 66
Earthing	Enclosure base part: internal / external M6 stainless steel Lid: M6 x 12 stainless steel	Enclosure base part: internal / external M6 stainless steel Lid: M6 x 12 stainless steel
Installation mounting	Welded C-profile rail	Welded C-profile rail
Enclosure attachment	2 external mounting feet with 8 mm holes	2 external mounting feet with 8 mm holes
Lid opening	completely removable lid with 4 x M5 screws	completely removable lid with 4 x M5 screws
Impact resistance	7J ATEX	10J industrial version
Gasket material	Silicone -60 °C...+100 °C (120 °C on request)	Silicone -60 °C...+120 °C
Lid screws, torque*	2.5 Nm	2.5 Nm

The gasket is protected against compression in line with the manufacturer's recommendation

Note: To secure the lid, please use our hexagonal socket wrench with a 10 mm socket (9009070000) see chapter G

Approvals for empty enclosures

	Stainless steel	Sheet steel
ATEX / IECEx certificate	IBExU 07ATEX1147 U / IECEx IBE09.0018U	**
ATEX / IECEx marking	T II 2 G Ex e II C Gb T II 2 D Ex tb IIIC Db IP66	
cULus	E 197061	**
Lloyds Register	08/20032	**
Germanischer Lloyd	5935808 HH	**
GOST	POCC DE.ME25.B01450	
Installation	The Klippon® STB enclosure series can be pre-fitted in our customer specific production department according to your wishes; as an example, terminals, or other approved components, can be installed as required.	

Note: This enclosure series is component certified. If other electrical components are inserted into the case, additional certification is required.

** Approvals are pending.

Approvals for control and distribution box

	Stainless steel	Sheet steel
ATEX / IECEx certificate	IBExU 07ATEX1148 / IECEx IBE09.0019	**
ATEX / IECEx marking	T II 2 G Ex e II C Gb Tx, T II 2 D Ex tb IIIC Db IP6x Txxx °C T I II 1 G Ex ia IIC Ga Tx, T II 1 D Ex tb IIIC Db IP6x Txxx °C T II 2 G Ex e II C Gb Tx, T II 2 D Ex tb IIIC Db IP6x Txxx °C	

Note: If you have specific requirements for equipment operating in explosive hazard areas, please contact us at Weidmüller to receive a full copy of the certification.

* The Klippon® STB steel version is not Ex certified

** Approvals are pending.



Height/Width/Depth 120 / 120 / 80 mm

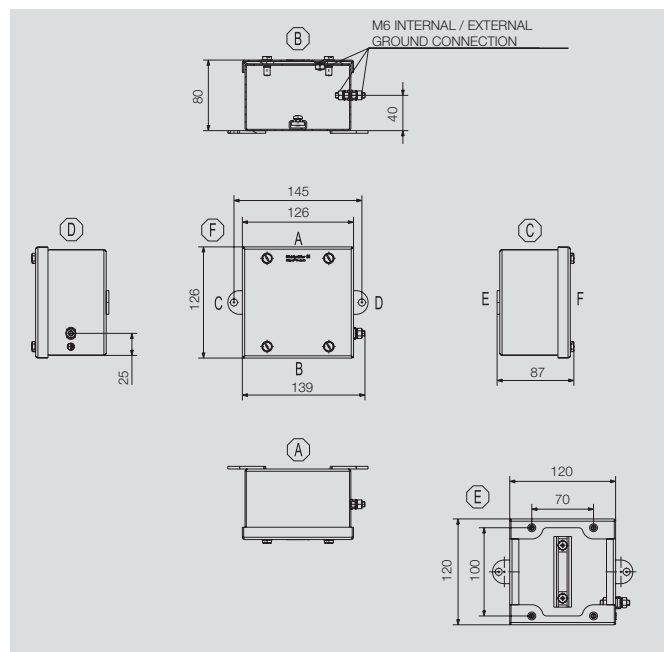
Ordering data

Stainless-steel-sheet (1.4404 316L)		Order No.
	Polished Sheet	1002690000
	Electropolished	1058810000
Sheet steel, Powder-coated (RAL 7032)		
	Powder-coated paint	1024970000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

Sliding fixing nut with screw		Order No.
	M5	0433500000
Socket wrench		
	M10 socket wrench	9009070000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS35 or TS32 into the C-Profile.



Max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
	2.5 mm² 1x17	
	4 mm² 1x14	
	6 mm² 1x11	
	10 mm² 1x8	
	16 mm² 1x7	

Note The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
 TS 35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000
 TS 32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS 15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
	M12 10	8
	M16 6	4
	M20 6	4
	M25 3	2
	M32 2	1
	M40 2	1
	M50	
	M63	

Note

Klippon® STB 1.1

Depth 80 mm



Height/Width/Depth 150 / 120 / 80 mm

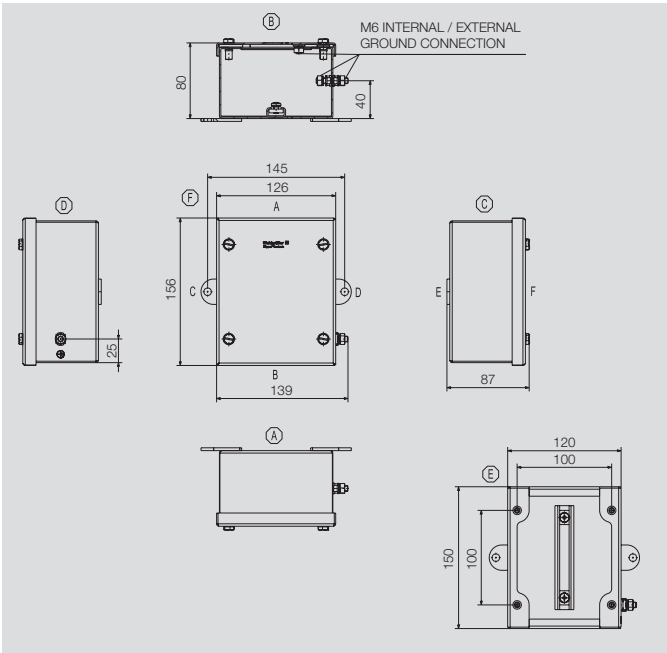
Ordering data

Stainless-steel-sheet (1.4404 316L)		Order No.
	Polished Sheet	1002750000
	Electropolished	1058820000
Sheet steel, Powder-coated (RAL 7032)		
	Powder-coated paint	1024980000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

Sliding fixing nut with screw		Order No.
	M5	0433500000
Socket wrench		
	M10 socket wrench	9009070000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS35 or TS32 into the C-Profile.



Max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
	2.5 mm²	1x23
	4 mm²	1x19
	6 mm²	1x14
	10 mm²	1x11
	16 mm²	1x9

Note The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order: TS 35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 TS 32 mounting rail (screw terminal) SAK 2.5 0279660000 TS 15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
	M12	10
	M16	6
	M20	3
	M25	3
	M32	2
	M40	2
	M50	1
	M63	

Note



Height/Width/Depth 150 / 150 / 90 mm

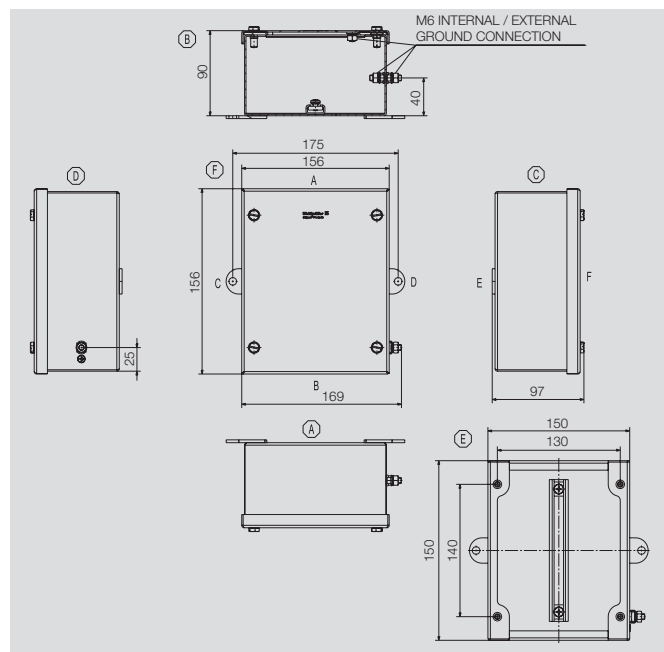
Ordering data

Stainless-steel-sheet (1.4404 316L)		Order No.
	Polished Sheet	1002740000
	Electropolished	1058830000
Sheet steel, Powder-coated (RAL 7032)		
	Powder-coated paint	1024990000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

Sliding fixing nut with screw		Order No.
	M5	0433500000
Socket wrench		
	M10 socket wrench	9009070000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS35 or TS32 into the C-Profile.



Max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
	2.5 mm² 1x23	
	4 mm² 1x19	
	6 mm² 1x14	
	10 mm² 1x11	
	16 mm² 1x9	

Note The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail.
Recommended order:
TS 35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000
TS 32 mounting rail (screw terminal) SAK 2.5 0279660000
TS 15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
	M12 15	15
	M16 10	8
	M20 8	6
	M25 3	2
	M32 3	2
	M40 2	2
	M50 1	1
	M63	

Note

Klippon® STB 2.1

Depth 90 mm



Height/Width/Depth 190 / 150 / 90 mm

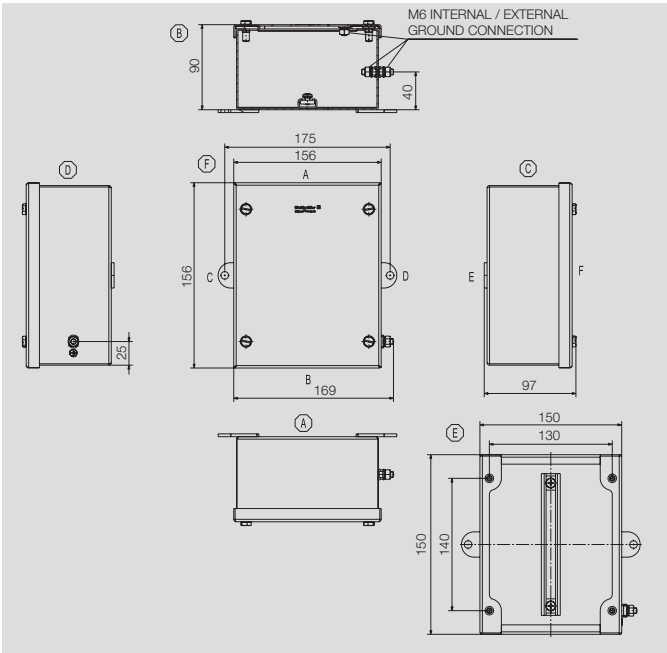
Ordering data

Stainless-steel-sheet (1.4404 316L)		Order No.
	Polished Sheet	1002730000
	Electropolished	1058840000
Sheet steel, Powder-coated (RAL 7032)		
	Powder-coated paint	1025010000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

Sliding fixing nut with screw		Order No.
	M5	0433500000
Socket wrench		
	M10 socket wrench	9009070000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS35 or TS32 into the C-Profile.



Max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
	2.5 mm²	1x30
	4 mm²	1x25
	6 mm²	1x20
	10 mm²	1x15
	16 mm²	1x13

Note The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order: TS 35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 TS 32 mounting rail (screw terminal) SAK 2.5 0279660000 TS 15 mounting rail (screw terminal) AKZ 2.5 0697160000

Number of cable entries

Number of cable entries	A / B	C / D
	M12	15
	M16	10
	M20	8
	M25	3
	M32	3
	M40	2
	M50	1
	M63	1

Note