The Rittal range of terminal boxes

offers 44 practical designs, developed and improved in constant dialogue with users. Whether with or without gland plates, in stainless steel, EMC version or simply painted, in 80 mm or 120 mm depth – Rittal has the correct solution for you.

Extremely shallow spot welded profile strips on both sides with mounting holes, partly tapped, ensure maximum installation height, and a facility for installing C rails, top hat rails and mounting plates.

The multi-folded enclosure protection channel provides additional stability and prevents the ingress of dirt and water when the box is opened.

Terminal boxes with gland plates have equal sized gland plate apertures and common mounting holes, making them suitable for baying.

A perfect seal is guaranteed by the highly elastic, all-round, foamed-in PU seal and is easily overpainted. It provides a protection category of IP 66 to EN 60 529/10.91 for solid boxes and IP 55 to EN 60 529/10.91 for boxes with gland plates.

KL terminal boxes have the following approvals:
- UL
- CSA
- TÜV
- Germanischer Lloyd
- Norske Veritas
- Russian Maritime Register of Shipping
- Lloyds Register of Shipping
- Bureau Veritas
- VDE

The alternative materials:
Plastic
- PK see page 32/33
- KS see page 86/87
Cast aluminium
- GA see page 40/41

KL terminal boxes, stainless steel see page 268/269.

KL terminal boxes, EMC shielded see page 302/303.

KL terminal boxes

Dimensions		Model No. KL without gland plate		Model No. KL with gland plate	Model No. KL stainless steel	
Width mm	Height mm	80 mm depth	120 mm depth	120 mm depth	80 mm depth	120 mm depth
150	150	1514.210	1500.210	–	1521.010	–
200	150	1528.210	1529.210	–	–	–
200	200	1516.210	1502.210	–	1523.010	–
300	150	1515.210	1501.210	1530.210	1522.010	–
300	200	1517.210	1503.210	1531.210	1524.010	–
300	300	–	1507.210	1535.210	–	1526.010
400	150	–	1589.210	–	–	–
400	200	1518.210	1504.210	1532.210	–	1525.010
400	300	–	1508.210	1536.210	–	–
400	400	–	1511.210	1539.210	–	–
500	200	–	1505.210	1533.210	–	–
500	300	–	1509.210	1537.210	–	–
600	200	1519.210	1506.210	1534.210	–	–
600	300	–	1510.210	1538.210	–	–
600	400	–	1512.210	1540.210	–	–
800	200	–	1527.210	1542.210	–	–
800	400	–	1513.210	1541.210	–	–
Page		50/51	52/53	54/55	268/269	

KL terminal boxes, EMC shielded

Width mm	Height mm	Depth mm	Model No. KL	Page
300	300	120	1507.710	302/303

■ Accessories

Quick-release fastener
The sturdy quick-release fastener saves time during inspection and maintenance. For installation in the cover hole and enclosure bracket; no drilling required.

Packs of	Model No. KL
12	1593.000

German patent no. P 34 78 561
US patent no. 4,550,852

Cover hinge
The cover hinge is simply screwed to the box protection channel and to the edge fold.

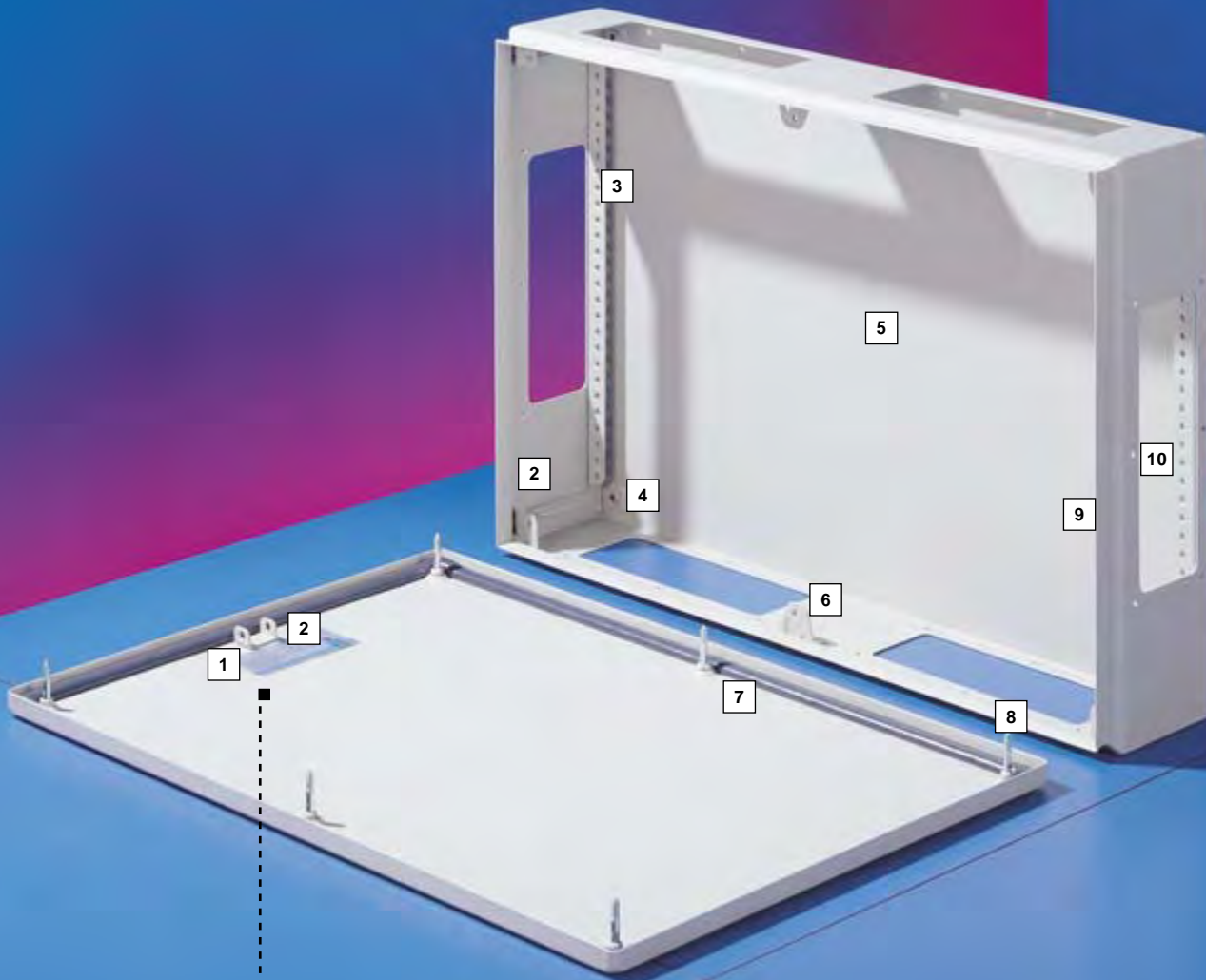| Packs of	Model No. KL
6	1592.000

German patent no. P 33 40 491

Cover retainer
The cover retainer is easily fitted without drilling, and allows the covers to be opened upwards, even when the terminal box below is bayed.

Packs of	Model No. KL
3 pairs	1591.000

1 Additional mounting facility for retaining cords – simple and time-saving.

3 Profile strips on both sides with mounting holes, partly tapped, ensure maximum installation height. Facility for installing C rails, top hat rails and mounting plates.

5 Electrophoretic dipcoat priming and powder coating provide reliable surface protection, with uniform coating in all corners and on all edges.

7 Foamed PU seal guarantees perfect sealing. IP 66 to EN 60 529/10.91 for solid boxes, IP 55 to EN 60 529/10.91 for boxes with gland plates.

9 Multi-folded box protection channel provides additional stability and prevents the ingress of dirt and water when the box is opened.
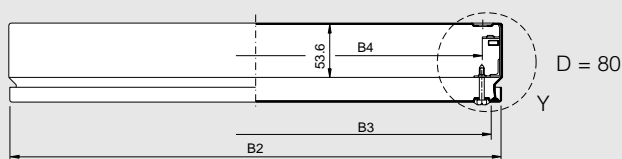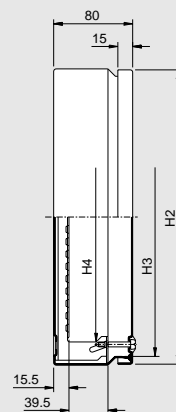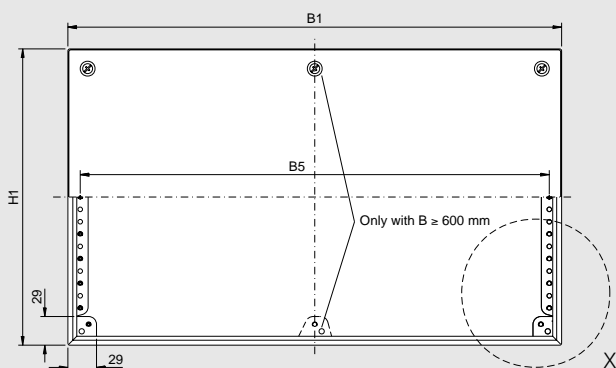
2 Facilities for connecting PE conductors in the cover and box.

4 Holes (except in KL stainless steel) and pre-punchings in the rear panel facilitate direct wall mounting, and also permit the use of wall mounting brackets.

6 Universal mounting level for cover screws, quick-release fastener KL 1593.000 and cover retainer KL 1591.000. No additional drilling required; the protection category is maintained.

8 Special plastic bushes seal the cover screws and guard against accidental loss, whilst at the same time providing positive screwdriver guidance.

10 In terminal boxes with gland plates, equal-sized gland apertures and common attachment holes make them suitable for baying.

■ □ □ □ □ □ Rittal Catalogue 30/Enclosure systems

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B1

H1

B5

Only with B ≥ 600 mm
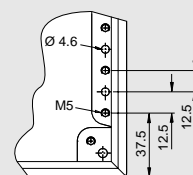
29

29

X

80

15

H2

H4

H3

15.5

39.5

53.6

B4

B2

B3

D = 80

Y

Detail Y
D = 80

20

Ø 8.7

14

63

M6 x 12

17

20

Detail X

Ø 4.6

M5

37.5

12.5

12.5
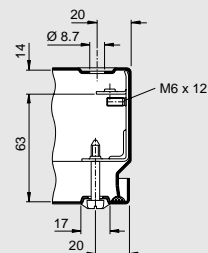
KL terminal boxes without gland plate

Width (B1) in mm	Packs of	150	200	200	300	300	400	600	Page
Height (H1) in mm		150	150	200	150	200	200	200	
Depth in mm		80	80	80	80	80	80	80	
Model No. KL	1	**1514.210**	**1528.210**	**1516.210**	**1515.210**	**1517.210**	**1518.210**	**1519.210**	
B2 = Cover width		148	198	198	298	298	398	598	
B3 = Clearance width of enclosure		132	182	182	282	282	382	582	
B4 = Clearance frame/width between profile strips		109	159	159	259	259	359	559	
B5 = Distance between axes of the mounting holes in the profile strips		125	175	175	275	275	375	575	
H2 = Cover height		148	148	198	148	198	198	198	
H3 = Clearance height of enclosure		132	132	182	132	182	182	182	
H4 = Clearance frame/height between profile strips		100	100	150	100	150	150	150	
Weight (kg)		1.4	1.6	1.9	2.1	2.6	3.2	4.6	
Accessories									
Mounting plate KL	1	1560.700	1575.700	1562.700	1561.700	1563.700	1564.700	1566.700	965
Support rail TS 35/7.5 SZ	10	2314.000	2315.000	2315.000	2316.000	2316.000	2317.000	–	983
Support rail TS 35/15 SZ	10	–	–	–	–	–	–	2319.000	983

**For primed enclosures in RAL 7044, please add extension .310 to the Model No. For textured RAL 7035, use extension .510.
Delivery times available on request.**

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Accessories:
See page 876/877
or refer to index.

Supply includes:
Box, cover with all-round
foamed PU seal and cover
screws, incl. plastic bushes.

Material:
Sheet steel
Box: 1.25 mm;
Cover: 1.25 mm

Surface finish:
Box and cover:
Dipcoat primed in RAL 7044,
powder coated in textured
RAL 7032 on the outside

Protection category:
IP 66 to EN 60 529/10.91
Complies with NEMA 4.

Wall mounting bracket
For secure attachment of the
box to the wall.

Model No. see page 962.
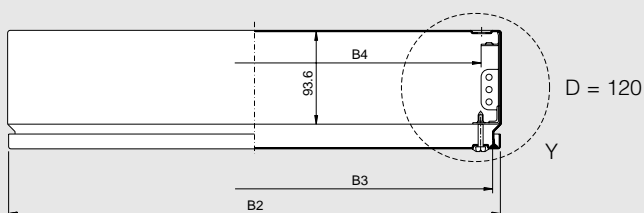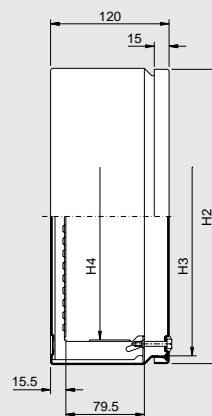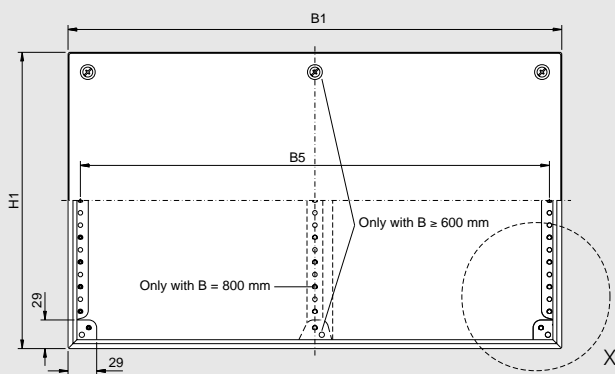
Mounting plate
Also allows components to be
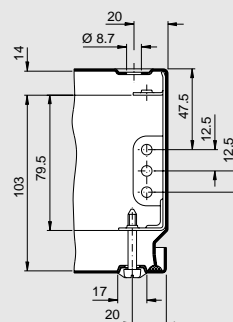installed before mounting in
the box.
Model No. see page 965.

Support rails to accommo-
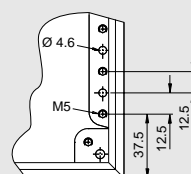date terminal blocks and
electrical equipment.

Model No. see page 983.

51

■ □ □ □ □ □ Rittal Catalogue 30/Enclosure systems

Detail Y
D = 120

Detail X

KL terminal boxes without gland plate, width 150, 200, 300 and 400 mm

Width (B1) in mm	Packs of	150	200	200	300	300	300	400	400	400	400
Height (H1) in mm		150	150	200	150	200	300	150	200	300	400
Depth in mm		120	120	120	120	120	120	120	120	120	120
Model No. KL	1	**1500.210**	**1529.210**	**1502.210**	**1501.210**	**1503.210**	**1507.210**	**1589.210**	**1504.210**	**1508.210**	**1511.210**
Mounting plate, see page 965	1	1560.700	1575.700	1562.700	1561.700	1563.700	1567.700	1576.700	1564.700	1568.700	1571.700
B2 = Cover width		148	198	198	298	298	298	398	398	398	398
B3 = Clearance width of enclosure		132	182	182	282	282	282	382	382	382	382
B4 = Clearance frame/width between profile strips		109	159	159	259	259	259	359	359	359	359
B5 = Distance between axes of the mounting holes in the profile strips		125	175	175	275	275	275	375	375	375	375
H2 = Cover height		148	148	198	148	198	298	148	198	298	398
H3 = Clearance height of enclosure		132	132	182	132	182	282	132	182	282	382
H4 = Clearance frame/height between profile strips		100	100	150	100	150	250	100	150	250	350
Weight (kg)		1.6	1.8	2.3	2.6	3.0	4.0	3.2	3.6	4.8	6.2

KL terminal boxes without gland plate, width 500, 600 and 800 mm

Width (B1) in mm	Packs of	500	500	600	600	600	800	800
Height (H1) in mm		200	300	200	300	400	200	400
Depth in mm		120	120	120	120	120	120	120
Model No. KL	1	**1505.210**	**1509.210**	**1506.210**	**1510.210**	**1512.210**	**1527.210**	**1513.210**
Mounting plate, see page 965	1	1565.700	1569.700	1566.700	1570.700	1572.700	1574.700	1573.700
B2 = Cover width		498	498	598	598	598	798	798
B3 = Clearance width of enclosure		482	482	582	582	582	782	782
B4 = Clearance frame/width between profile strips		459	459	559	559	559	759	759
B5 = Distance between axes of the mounting holes in the profile strips		475	475	575	575	575	775	775
H2 = Cover height		198	298	198	298	398	198	398
H3 = Clearance height of enclosure		182	282	182	282	382	182	382
H4 = Clearance frame/height between profile strips		150	250	150	250	350	150	350
Weight (kg)		4.4	5.8	5.7	6.8	8.4	6.8	11.0

For primed enclosures in RAL 7044, please add extension .310 to the Model No. For textured RAL 7035, use extension .510.
Delivery times available on request.

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Accessories:
See page 876/877
or refer to index.

Supply includes:
Box, cover with all-round
foamed PU seal and cover
screws, incl. plastic bushes.

Material:
Sheet steel
Box: 1.25 mm;
1.38 mm with KL 1507.210 to
KL 1513.210
Cover: 1.25 mm

Surface finish:
Box and cover:
Dipcoat primed in RAL 7044,
powder coated in textured
RAL 7032 on the outside

Protection category:
IP 66 to EN 60 529/10.91
Complies with NEMA 4.

Cable retainer
For individual attachment of
support rails.
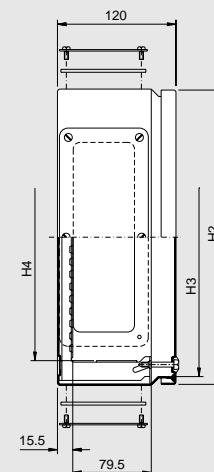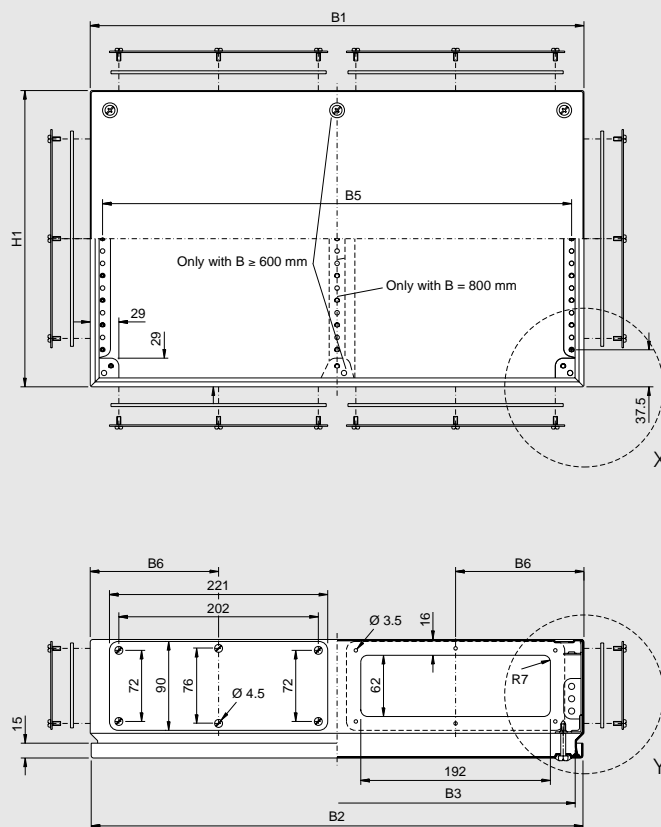Model No. see page 983.

Mounting clip for support
rails. For fastening e.g.
cable ducts.
Model No. see page 983.

**Housing coupling
CP 6525.100** for swivel
mounting of the terminal
boxes to the support arm
system. Model No. s. p. 251.

53

■ □ □ □ □ □ Rittal Catalogue 30/Enclosure systems

B1

B5

Only with B ≥ 600 mm

Only with B = 800 mm

H1

29

29

37.5

X

120

H4

H2

H3

15.5

79.5

B6

221

202

Ø 3.5

16

72

90

76

72

Ø 4.5

15

62

R7

B6

192

B3

B2

Y

Supply includes:
Boxes with gland apertures, cover with foamed-in special seal and cover screws incl. plastic bushes, sheet steel gland plates with seals and assembly parts.

Detail drawings X and Y
see page 52/53.

KL terminal boxes with gland plate, width 300 and 400 mm

	Packs of						
Width (B1) in mm		300	300	300	400	400	400
Height (H1) in mm		150	200	300	200	300	400
Depth in mm		120	120	120	120	120	120
Model No. KL	1	**1530.210**	**1531.210**	**1535.210**	**1532.210**	**1536.210**	**1539.210**
Mounting plate, see page 965	1	1561.700	1563.700	1567.700	1564.700	1568.700	1571.700
B2 = Cover width		298	298	298	398	398	398
B3 = Clearance width of enclosure		282	282	282	382	382	382
B5 = Distance between axes of the mounting holes in the profile strips		275	275	275	375	375	375
B6 = Distance from outer edge of enclosure to centre of gland plate		150	150	150	200	200	200
H2 = Cover height		148	198	298	198	298	398
H3 = Clearance height of enclosure		132	182	282	182	282	382
H4 = Clearance frame/height between profile strips		100	150	250	150	250	350
Gland apertures/width (top + bottom)		1 + 1	1 + 1	1 + 1	1 + 1	1 + 1	1 + 1
Gland apertures/height (left + right)		–	–	1 + 1	–	1 + 1	1 + 1
Weight (kg)		2.7	3.3	4.5	4.0	5.2	6.7

KL terminal boxes with gland plate, width 500, 600 and 800 mm

	Packs of						
Width (B1) in mm		500	500	600	600	600	800	800
Height (H1) in mm		200	300	200	300	400	200	400
Depth in mm		120	120	120	120	120	120	120
Model No. KL	1	**1533.210**	**1537.210**	**1534.210**	**1538.210**	**1540.210**	**1542.210**	**1541.210**
Mounting plate, see page 965	1	1565.700	1569.700	1566.700	1570.700	1572.700	1574.700	1573.700
B2 = Cover width		498	498	598	598	598	798	798
B3 = Clearance width of enclosure		482	482	582	582	582	782	782
B5 = Distance between axes of the mounting holes in the profile strips		475	475	575	575	575	775	775
B6 = Distance from outer edge of enclosure to centre of gland plate		130	130	150	150	150	150	150
H2 = Cover height		198	298	198	298	398	198	398
H3 = Clearance height of enclosure		182	282	182	282	382	182	382
H4 = Clearance frame/height between profile strips		150	250	150	250	350	150	350
Gland apertures/width (top + bottom)		2 + 2	2 + 2	2 + 2	2 + 2	2 + 2	3 + 3	3 + 3
Gland apertures/height (left + right)		–	1 + 1	–	1 + 1	1 + 1	–	1 + 1
Weight (kg)		4.9	5.2	5.9	7.7	9.0	7.2	12.0

For primed enclosures in RAL 7044, please add extension .310 to the Model No. For textured RAL 7035, use extension .510. Delivery times available on request.

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Accessories:
See page 876/877
or refer to index.

Material:
Box: Sheet steel 1.38 mm;
1.25 mm with KL 1530.210 to
KL 1534.210 and KL 1542.210
Cover: Sheet steel 1.25 mm

Surface finish:
Box and cover:
Dipcoat primed in RAL 7044,
powder coated in textured
RAL 7032 on the outside

Protection category:
IP 55 to EN 60 529/10.91
Complies with NEMA 12.

Plastic gland plate
With prepunched holes for PG
cable glands.
Model No. see page 896.

**Cover hinges and quick-
release fastener**
– the alternative for fast
opening.
Model No. see page 48.

Metal gland plates
With cutout for 16 or 24-pole
connectors.
Model No. see page 896.

55

■ □ □ □ □ □ Rittal Catalogue 30/Enclosure systems