Plastic enclosures KS

Fully insulated enclosures to VDE 0100, paragraph 6.2, of fibreglass-reinforced, unsaturated polyester, self-extinguishing to ASTM D 635 and UL 94-V0, withstanding temperatures of between –30 °C and +150 °C, dyed light grey throughout, in a shade similar to RAL 7032 to DIN 43 656; suitable for overpainting.

Plastic enclosures KS

<table>
<thead>
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<th>Width mm</th>
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<th>Model No. KS w/o-viewing window</th>
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Standard threaded brass inserts M8 x 15 in the rear panel for direct wall mounting of the enclosure from behind or for the use of wall mounting brackets. Press-fitted C rails in the enclosure to accommodate infinitely variable mounting plate adjustment brackets KS 1481 000 and KS 1491 000, allowing you to create several mounting levels. Double seal at the top and bottom edge of the door in all enclosures, thanks to a built-in rain protection strip of hard PVC with co-extruded PVC sealing lip.

Rittal plastic enclosures KS: The alternative for all situations where special protection is required, e.g. for external wiring or in aggressive ambient conditions. Fitted as standard with universal mounting aids, such as press-fitted rows of inserts, in the enclosure and door.

Rittal plastic enclosures KS

German patent no. P 34 40 899
European patent no. P 0 180 825
with validity for BE, FR
US patent no. 4,665,654
Japanese patent no. P 1 659 174

Plastic enclosures KS have the following approvals:
- UL (without viewing window)
- CSA (without viewing window)
- TÜV
- Germanischer Lloyd
- Norske Veritas
- Russian Maritime Register of Shipping
- Lloyd’s Register of Shipping
- Bureau Veritas
- VDE
Press-fitted C rails in the enclosure to accommodate infinitely variable mounting plate adjustment brackets KS 1401.600 and KS 1491.600, allowing you to create several mounting levels.

Double seal at the top and bottom edges of the doors in all enclosures, thanks to a built-in rain protection strip of hard PVC with co-extruded PVC sealing lip.

Press-fitted mounting inserts in the door and rear panel of the enclosure serve as a mounting aid for attaching cable trunking and cross rails, and for direct screw fastening using threaded inserts.

Enclosures with locking rod (see page 90/91) have additional door reinforcement.

KS 1400.600 additionally with centre bar in the enclosure, which may be dismantled.
KS 1423.600 and KS 1432.600 with only one cam lock in the centre

Supply includes:
Enclosure of solid all-round construction, r/h hinge, may be changed to the opposite side by inverting the enclosure (only with single-door models), mounting plate, all-round foamed-in PU seal in the door, double seal, on the top and bottom edges of the door (built-in rain protection strip), press-fitted C rails at the sides for infinitely variable mounting plate adjustment bracket.

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| * Only for enclosures with viewing window

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<table>
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<tr>
<th>Accessories for interior installation</th>
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<tbody>
<tr>
<td>Mounting plate adjustment brackets KS</td>
</tr>
<tr>
<td>Self-tapping screws SZ</td>
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</table>

Lock systems
Standard double-bit lock insert may be exchanged for type E lock inserts, see page 942 and type E plastic handle KS 1484.000 – see page 940
Material:
Enclosure and door: Fibreglass-reinforced, unsaturated polyester
Mounting plate:
KS 1423.600 – KS 1434.600: Sheet steel 2.0 mm
KS 1444.600 – KS 1467.600: Sheet steel 2.5 mm
For KS with viewing window:
Impact resistant 3.0 mm glazed acrylic with all-round rubber cable clamp strip

Surface finish:
Enclosure and door: No after-treatment as plastic is dyed similar to RAL 7032
Mounting plate: Zinc-plated

Protection category:
KS without viewing window:
IP 66 to EN 60 529/10.91 Complies with NEMA 4x.
KS with viewing window:
IP 56 to EN 60 529/10.91 Complies with NEMA 12.

Wall mounting bracket
For simple attachment directly to the wall.
Model No. see page 962.

Mounting clip
For quick, secure fastening of cable trunking etc.
Model No. see page 983.

Threaded inserts M6
For simple attachment of C rails, cable trunking etc.
Model No. see page 996.
### KS 1469.600 / KS 1479.600

KS 1468.600 / KS 1480.600 without viewing window

| Model No. | B1 | B2 | B3 | B4 | B5 | B6 | B7 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | m2 | m3 | G1 | F1 |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| KS 1468.600 / KS 1469.600 | 600 | 485 | 533 | 400 | 500 | 410 | 550 | 800 | 780 | 753 | 590 | 700 | 740 | 750 | 3.7 | 3.7 | 750 | 517 |
| KS 1479.600 / KS 1480.600 | 800 | 685 | 733 | 600 | 700 | 610 | 750 | 1000 | 980 | 953 | 790 | 900 | 940 | 950 | 3.7 | 4.0 | 950 | 717 |
| KS 1400.600 | 1000 | 387 | 918 | 300 | 900 | 950 | 1000 | 980 | 952 | 900 | 940 | 950 | 3.5 | 4.0 | |

KS 1469.600 / KS 1479.600 without viewing window

1) Only in enclosures with viewing window

**Supply includes:**

Enclosure of solid all-round construction, r/h door hinge, may be changed to the opposite side by inverting the enclosure (only with single-door models), mounting plate.

All-round foamed-in PU seal in the door, double seal on the top and bottom edges of the door (built-in rain protection strip), press-fitted C rails at the sides for infinitely variable mounting plate adjustment bracket, KS 1400.600 additionally with centre bar in the enclosure, which may be dismantled.

**Accessories for interior installation**

- Mounting plate adjustment bracket KS
- Self-tapping screws SZ

**Lock systems:**

Standard double-bit lock insert may be exchanged for type E lock inserts – see page 942 and Ergoform-S lock system, KS 1490.000 – see page 939

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**Inside view of door**

*Infinitely variable with mounting plate depth adjuster KS 1491.000, see page 965

**When mounting on studs directly on the threaded insert***

B7 = Separation width for wall mounting hole

H7 = Separation height for wall mounting hole

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**Mounting plate**

Detail B and X, screw-fastened centre bar for KS 1400.000

① Distance from mounting insert to centre bar

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**Page**

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Rittal Catalogue 30/Enclosure systems

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**Material:**
Enclosure and door:
Fibreglass-reinforced, unsaturated polyester
Mounting plate:
Sheet steel 3.0 mm
For KS with viewing window:
Impact resistant 3.0 mm glazed acrylic with all-round rubber cable clamp strip

**Surface finish:**
Enclosure and door:
No after-treatment as plastic is dyed similar to RAL 7032
Mounting plate: Zinc-plated

**Protection category to EN 60 529/10.91:**
IP 66 for KS 1468.600
IP 56 for KS 1400.600, KS 1469.600, KS 1479.600, KS 1480.600

Single-door KS without viewing windows comply with NEMA 4x.
Double-door KS and single-door KS with viewing window comply with NEMA 12.

**KS lock system**
May be exchanged for the existing double-bit lock insert. Model No. see page 939.

**Pole clamp**
For attachment to poles, independent of floor support. Model No. see page 962.

**Enclosure heater**
To prevent condensation. Model No. see page 562/563.

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

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**PLASTIC ENCLOSURES KS**

Width: 600 – 1000, height: 800 – 1000

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**PLASTIC ENCLOSURES KS**

Width: 600 – 1000, height: 800 – 1000