

polyKOM

THE POLYESTER STANDARD ENCLOSURE

IP 65

The key product features:

- Enclosure material: glass-fibre reinforced polyester
- Enclosure surface: similar to RAL 7000
- Compatible with standard enclosures available on the market, therefore easy to exchange
- Flammability: UL-94 V0
- Lid screws stainless steel 1.4567
- Enclosure seal: O-ring gasket (EPDM)

polyKOM is a practical and economic range of standard IP 65 enclosures made from weather-resistant polyester. The enclosures are available in 15 industry standard sizes which makes them interchangeable with other standard products. All types of electronic components and electrical assemblies can be fitted inside.

Options include external hinges, exterior supporting hinges and external mounting brackets. Threaded screw bosses are provided in the base for fitting mounting plates, circuit boards or terminal rails. Cable glands and other accessories are also available.

We can supply polyKOM enclosures fully customised to your requirements.

Enclosure sizes

15

Further information

Corrosion-resistant

Locking screws with plus/minus screw head or captive Allen screw

Application-specific accessories available

Full protective insulation in accordance with VDE 0100

Enclosure

Polyester glass fibre reinforced, halogen-free

similar to RAL 7000, squirrel grey, surface resistance > 10⁹ Ohm

Optional: similar to RAL 9005, deep black, surface resistance < 10⁹ Ohm

1° mould slope for casting ejection > internal circumference dimensions decrease by 1° towards enclosure bottom.

Flammability

UL 94 V-0, self-extinguishing

Fastening

Separate screw channels outside of the enclosure interior

Optional: External mounting brackets made from stainless steel

Internal mounting

M4/M6 threaded bushing on the enclosure base

Ingress protection

IP 65 / EN 60529, VDE 0470-1

Gasket

O-ring gasket (EPDM)














Optional: Silicone gasket



Lid screws

Stainless steel 1.4567, captive

Customising

Learn more about our [full customising service for installation-ready enclosures](#)

| Photo | No. | Type | Length L | Width W | Height H | Gasket H | Optional available |
|---|-------------|--------|----------|---------|----------|----------------|--|
|  | 180.081.000 | PK 081 | 80 | 75 | 55 | Silicon-gasket | - Supporting rail for series terminals - Mounting plates |
|  | 180.082.000 | PK 082 | 110 | 75 | 55 | Silicon-gasket | - Supporting rail for series terminals - Mounting plates |
|  | 180.083.000 | PK 083 | 160 | 75 | 55 | Silicon-gasket | - Supporting rail for series terminals - Mounting plates |
|  | 180.084.000 | PK 084 | 190 | 75 | 55 | Silicon-gasket | - Supporting rail for series terminals - Mounting plates |
|  | 180.121.000 | PK 121 | 122 | 120 | 90 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.123.000 | PK 123 | 220 | 120 | 90 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.161.000 | PK 161 | 160 | 160 | 90 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.162.000 | PK 162 | 260 | 160 | 90 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.163.000 | PK 163 | 360 | 160 | 90 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.164.000 | PK 164 | 560 | 160 | 90 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.251.000 | PK 251 | 255 | 250 | 120 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.252.000 | PK 252 | 400 | 250 | 120 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |
|  | 180.254.000 | PK 254 | 600 | 250 | 120 | Silicon-gasket | - Mounting plates - External mounting brackets - Captive allen screw - Hinges - Supporting rail for series terminals |

| Photo | No. | Type | Length L | Width W | Height H | Gasket H | Optional available |
|---|-------------|---------|----------|---------|----------|----------------|--|
|  | 180.411.000 | PK 411 | 400 | 405 | 120 | Silicon-gasket | <ul style="list-style-type: none">- Mounting plates- External mounting brackets- Captive allen screw- Hinges- Supporting rail for series terminals |
|  | 182.081.000 | PKH 081 | 80 | 75 | 75 | Silicon-gasket | <ul style="list-style-type: none">- Supporting rail for series terminals- Mounting plates |