

Distribution Terminal Box for Signal Cables SKV 20



Distribution Terminal Box for Signal Cables (SKV 20)

General Information

The weatherproof outdoor distribution terminal box for signal cables (SKV 20) is used for signal lines in railway track systems. It connects the cables running from electronic devices (e.g., track magnets or printed circuit boards) to the control station and interlocking systems. Different variants are available for the various applications.

The Terminal Blocks

The terminal block is available with either cage clamp (WAGO) or conventional screw clamping modules. Both versions allow the connection of up to 20 signal wires.

The Housing

The housing consists of a silver grey base (similar to RAL 7001) of fiberglass reinforced polyester and a cover, also made of similar material. The cover can be supplied in yellow or silver grey color.

It contains a black-yellow triangular safety label. The cover is closed with four hexagon head screws M8.

The protection class is IP65. Temperature range defined for usage is -25°C to +70°C.

Signal Cables Entrance

All cables are entering through the bottom.

The entrances are perforated for easier chip out and access and can be used with different PG- or clamping glands. Clamping glands are fixed by two hexagonal screws at the SKV-housing bottom. PG- or clamping glands need to be ordered separately.

Installation

The SKV 20 can be fastened at a pedestal 416. This must be purchased separately.



Type 1: Screw-Type Terminal for 20 Copper Wires



Type 2: Cage Clamp for 20 Wires



Type 3: Cage Clamp for 10 Wires

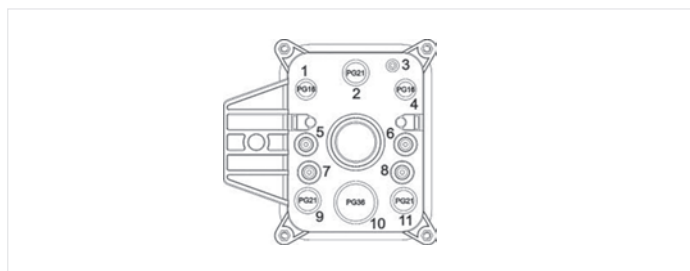
Specifications:

| Housing Base Shell | |
|-----------------------|-----------------------------------|
| Material | Polyester: glass fibre reinforced |
| Color | Similar to RAL 7001 (silver grey) |
| Cable Entrance | PG glands or clamping glands |

| Mechanical Values | |
|-------------------------------|--|
| IP Rating | IP65 (DIN 40050) |
| Operating Temperatures | -25°C to +70°C |
| Dimensions W x H x D | 228 x 120 x 232 mm |
| Weight | Approx. 2 kg |
| Scope of Delivery | Complete with terminal block and cable guiding element |

| Cover | |
|--------------------|--|
| Material | Polyester: glass fibre reinforced |
| Color | Yellow (similar to RAL 1004) or silver grey (similar to RAL 7001) with triangle safety label (according to DIN 40008 T3) |
| Lid Closure | Four hexagon head screws M8 |

| Electrical Values | |
|--|---------------------|
| Nominal Voltage | 800 V |
| Normal Current | 24 A |
| Maximum Conductor Cross Section | 2.5 mm ² |
| Optional Accessories | Pedestal 416 |



Housing (A) Bottom Side View with PG Gland Positions 1xPG36, 3xPG21, 2xPG16



Housing (A) Bottom Side View with PG Gland Positions 1xPG36, 3xPG21, 2xPG16



Housing (B) Bottom Side View with Clamping Glands 5x Size 1, 1x Size 2



Pedestal 416

| Catalog Number | Product Description | Connection Module Type | Cover Color | Housing Base Type | Reference Number |
|----------------|--|------------------------|-------------|-------------------|------------------|
| DE620006473 | SKV 20 equipped with screw-type terminal for 20+1 copper wires | Type 1 | Yellow | B | 28-021-05400 |
| UU007830886 | SKV 20 equipped with screw-type terminal for 20+1 copper wires | Type 1 | Silver Grey | B | 28-021-05426 |
| DE620006465 | SKV 20 equipped with cage clamps for 20 copper wire | Type 2 | Yellow | B | 28-020-00400 |
| DE620040472 | SKV 20 equipped with cage clamps for 10+1 copper wire | Type 3 | Yellow | A | 28-020-00800 |
| UU009334424 | SKV 20 equipped with cage clamps for 20+1 copper wire | Type 2 | Silver Grey | B | 28-020-00900 |
| DE620042247 | SKV 20 equipped with cage clamps for 10+1 copper wire | Type 3 | Silver Grey | A | 28-020-00825 |
| DE620006481 | Pedestal 416 | — | — | — | 28-030-50000 |

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