

Earthing device Type 8971

for telecommunication cables
as per VÖV 04.04.1 / supplement

8971



Description

In order to comply with the maximum values for the voltage that are specified in VDE 0228, suitable measures are to be taken concerning the earthing of telecommunication cables, both below ground and above ground.

VÖV sheet 04.04.1 / Supplement, edition 01.84, Recommendations for Telecommunication Cables in DC Railway Operations, gives examples of how to apply the earthing principle. The earthing device for type 8971 telecommunication cables is to be set up in accordance with this earthing principle given in the correspondingly quoted VÖV recommendation.

The device has an 800 μF capacitor / DC 700 V and a discharge resistance of 22 $\text{k}\Omega$ to suppress DC currents via the cable shield.

The terminal strip is to be set up in accordance with VÖV sheet / Detail A with the option to separate or close the corresponding bridges for the measurement. The terminal strip has test sockets for 4 mm plugs.

With the exception of the recommended capacitance of

2700 μF in the above-mentioned VÖV sheet corresponds to the overall earthing device of the above-mentioned sheet. The reduction of earthing capacity was done with regard to economic considerations, since tests up to today have shown that enlarging the capacitor cannot be justified from an economic point of view.

Please refer to the corresponding VDE stipulations and VÖV recommendations concerning the overall planning of telecommunication cables.



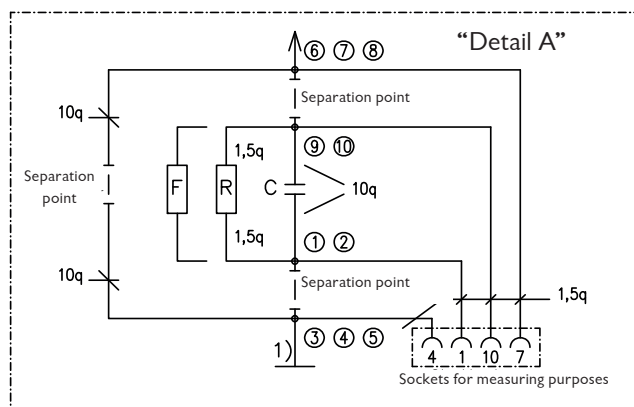
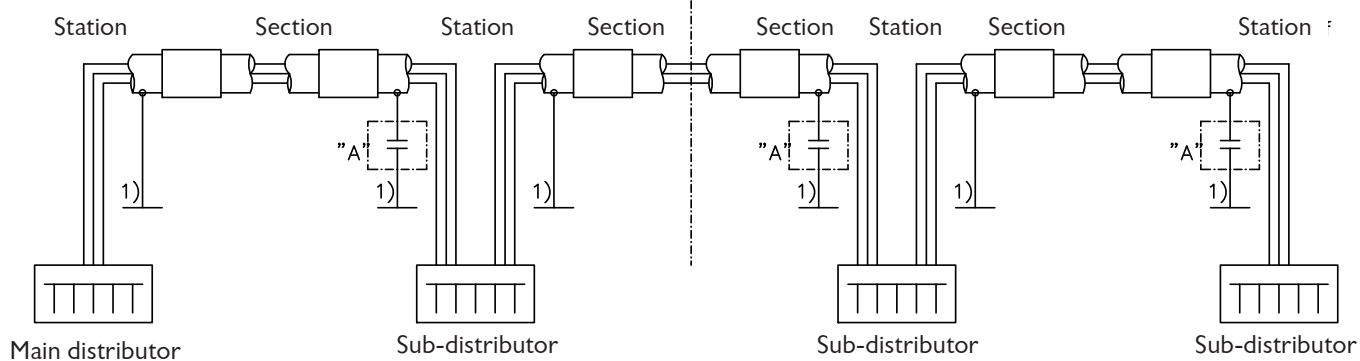
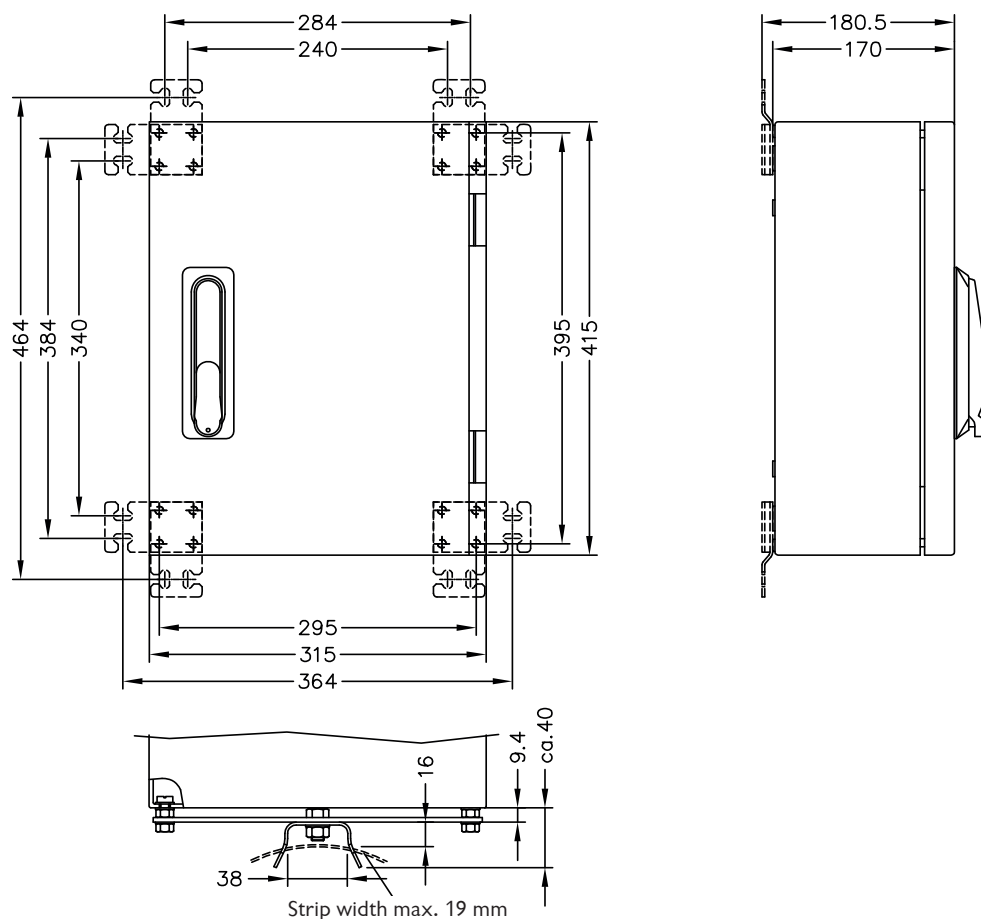
Technical data

Dimensions	see figure, WxHxD 315x415x170 mm
Housing	Polyester
Attachment	4x wall fastening brackets → 8971 10 Strip-type fastening → 8971 20
Type of protection	IP 67
Screw fitting	2x M25 x 1.5)
Capacity	800 μF / 700 V
Resistance	22 $\text{k}\Omega$
Connection terminals	10 mm^2 with bridging device and test sockets
Configuration	as per VÖV 04.04.1 / supplement

Ordering information

Type	Part No.
8971 10	260100
8971 20	260101

Special configurations on request.



- 1) = Earthing collective cable in accordance with VDE 0800 Part 2
 F = overvoltage suppressor (if required)
 R = approx. 20 K (1-2V)
 C = e.g. MP capacitor 2700µF/450V

VöV 04.04.1/ Supplement
 Earthing principle for pass-through telecommunication cables