

Description

Cable monitoring devices can be as standard or with additional monitoring of the cable shield for breaks. Here we make use of a trick in that the measuring resistances lying parallel to the insulation section to be monitored are not built into the cable monitoring device but instead one of them is installed at the end of the cable to be monitored. In this way the measuring current flows through the cable shield and a break in the shield leads to a break in the measured current and can be evaluated accordingly.

Since the cables do not as a rule terminate in the switching cell, this often results in the question as to how these resistors can be installed suitably? Shrinking on the terminating resistor within the sleeve at the end of the cable is to reject because of problems of accessibility.

Working in collaboration with various railway operators, we therefore came up with three basic solutions for this problem: Installation of the terminating resistor in a housing that has a snap-type socket for mounting on the carrying rail. The resistor itself is encapsulated for protection against external influences. A further version was produced in the form of a housing for attachment to flat surfaces, housing walls, etc. A third alternative provides the same encapsulated module in a weatherproof housing with metric screw connection. Today there are the following corresponding versions of the



There are two versions with the same housing dimensions. This housing with a built-in resistance of 68 kOhm, 17 W, type 85319 x is available to monitor the cable shielding for breaks and to display this breakage as an »internal short circuit«.

The type 85329 x configuration takes into account the options of switching a terminating resistance of 1120 kOhm between the conductor and the shield. This version likewise offers the option to monitor the shield for breaks. In this case an shield break leads to a »Earth short circuit« display.

A stainless steel installation plate is also available to install this terminating resistor in a weatherproof housing (version type 853 x 98). This plate can be used either for attachment with M6 or M8 threaded bolts or else with strip-type fastening. See the complete brochure folder for additional information and accessories.

Technical data

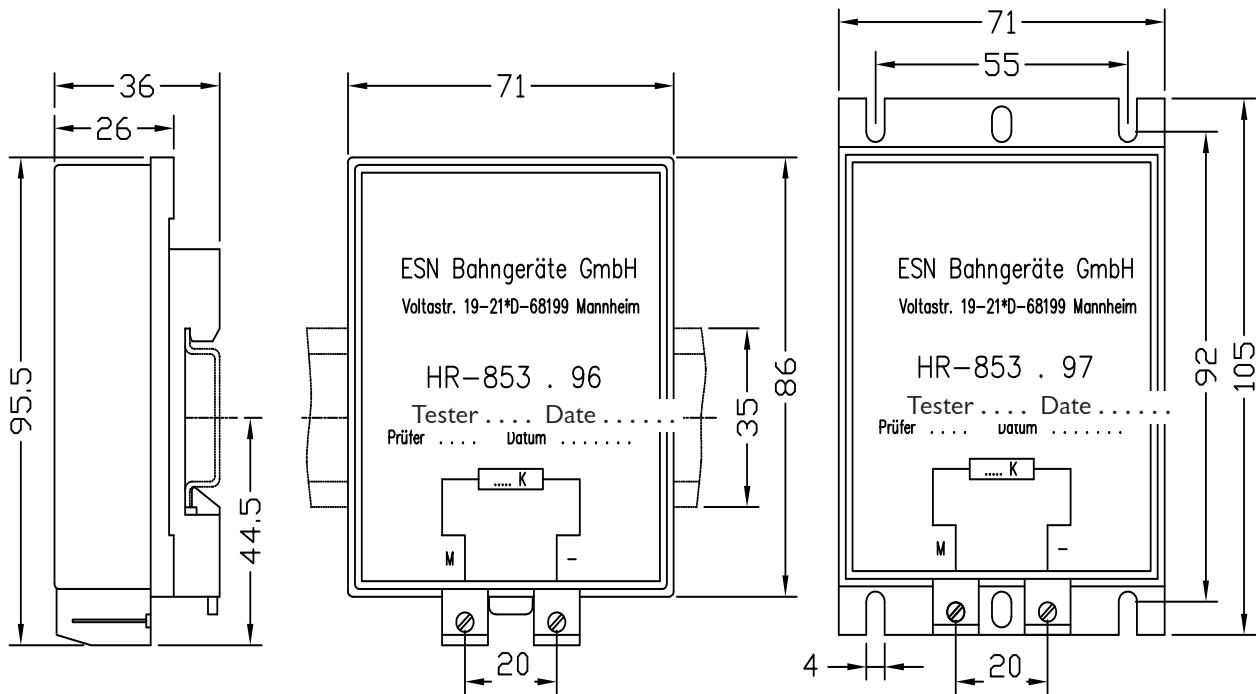
Terminating resistance	68 k Ω → 8531 9- 1120 k Ω → 8532 9-
Connection	Terminals
Cross-section	max. 4 mm ²
Housing	Module with snap-type socket for standard carrying rail in accordance with DIN EN 50022 → 853- 96
Attachment	Dimensions: see figure, WxHxD 71x95.5x36 mm Module for wall attachment → 853- 97
Material	Dimensions: see figure, WxHxD 71x105x26 mm
Module housing	Module in additional weatherproof housing → 853- 98
weatherproof housing	Dimensions: see figure, WxHxD 80x220x55 mm
Cable cutout	PA 6-30H, grey Polycarbonate / protection type IP 65
	Twin screw fitting with PG 16 screw connection and PG 13.5 twin gland packing screw fitting Material: Duroplast type 131,5 Colour: grey

Ordering information

Type	Part No.
8531 96	510501
8531 97	510504
8531 98	510507
8532 96	510510
8532 97	510513
8532 98	510516

Accessories: Stainless steel installation plate for weatherproof housing on request





Typ: HR-853196
HR-853296

Typ: HR-853197
HR-853297

Typ: HR-853198
HR-853298

