

terminal box 24-pin



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Products, data sheets, documentation, MR12-SCHEMA-calculator: www.schneid.at

SCHNEID terminal box 24-pin for FSS-SCHNEID systems
with two pluggable SCHNEID surge arrester modules FSS-SCHNEID.

Order number:	020.07883
Order code:	Anklemmdose 24polig für FSS-SCHNEID Systeme



Overview:

The SCHNEID terminal box 24-pin for FSS-SCHNEID systems is used to clamp the underground data cable according to the specifications for networks (for more information, see www.schneid.at). In addition, all the arrester modules and protective devices required to protect the network from indirect lightning strikes are integrated in the box.

Terminal plan:

Earth or shield clamp
The shield of the incoming and outgoing cable is connected to the earth or shield terminal. Furthermore, the house grounding (or the coiled tape at the entrance to the FVV house) must be connected to these terminals. These are important requirements for protecting the system against indirect lightning strikes.

Terminal box 24pin

Outgoing terminal to the controller
The four-pin cable to the controller is connected here.

Terminal PE (green) controller terminal 25 shield
Terminal 1 (blue) controller terminal 26 TX+
Terminal 2 (grey) controller terminal 27 TX-
Terminal 3 (orange) controller terminal 28 RX+
Terminal 4 (white) controller terminal 29 RX-

!! The shield of the connection cable must be earthed on both sides !!

Surge arrester module
The arrester module has additional arresters for overvoltages in the system. Only one module per clamping board may be used. The module can be plugged into three different slots. Depending on the selected slot, either line 1 (terminal 1,2,3,4), line 2 (term. 5,6,7,8) or line 3 (term 9,10,11,12) is switched through to the controller.

Short circuit plug
Only if the respective short-circuit plug is plugged in, the individual wire strands strand 1 (1,2,3,4), strand 2 (5,6,7,8) and strand 3 (9,10,11,12) are connected from the incoming side to the forwarding side. To measure the cable during operation, the respective short-circuit plug must therefore be pulled at both cable ends.

Incoming cable
The terminal board is designed for a twelve-pin cable. The incoming cable is the one that comes from the visualization computer.

Terminal assignment	in the example shown
PE shield/earth	
1 TX+	line 1 active connected to the controller
2 TX-	line 1 active connected to the controller
3 RX+	line 1 active connected to the controller
4 RX-	line 1 active connected to the controller
5 TX+	line 2
6 TX-	line 2
7 RX+	line 2
8 RX-	line 2
9 TX+	line 3
10 TX-	line 3
11 RX+	line 3
12 RX-	line 3

Advanced cable
The more extensive cable is the one that continues to the last control device. If branching is planned, the second additional cable must also be connected here.

Terminal assignment	in the example shown
PE shield/earth	
1 TX+	line 1 switched through when short-circuit plug is attached
2 TX-	line 1 switched through when short-circuit plug is attached
3 RX+	line 1 switched through when short-circuit plug is attached
4 RX-	line 1 switched through when short-circuit plug is attached
5 TX+	line 2 switched through when short-circuit plug is attached
6 TX-	line 2 switched through when short-circuit plug is attached
7 RX+	line 2 switched through when short-circuit plug is attached
8 RX-	line 2 switched through when short-circuit plug is attached
9 TX+	line 3 switched through when short-circuit plug is attached
10 TX-	line 3 switched through when short-circuit plug is attached
11 RX+	line 3 switched through when short-circuit plug is attached
12 RX-	line 3 switched through when short-circuit plug is attached