

# Terminal module 12-pin



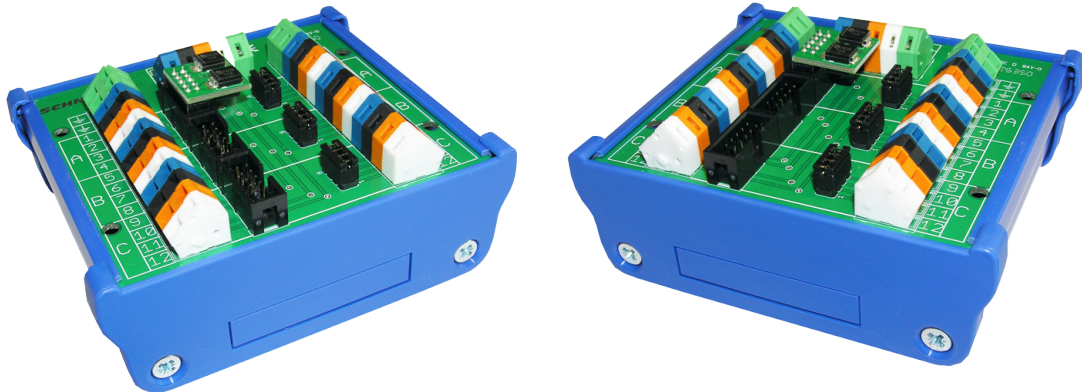
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Products, data sheets, documentation, MR12-SCHEMA-calculator: [www.schneid.at](http://www.schneid.at)

## SCHNEID terminal module 12-pole for FSS-SCHNEID systems with plug-in SCHNEID surge arrester module FSS-SCHNEID

Order number: **020.08145**

Order code: **Anklemmmodul 12polig für FSS-SCHNEID Systeme**



### Overview:

The SCHNEID 12-pole terminal module for FSS-SCHNEID systems is used to clamp the ground data cable in accordance with the specifications for SCHNEID networks (for more details see [www.schneid.at](http://www.schneid.at)). Furthermore, all necessary discharge modules and protective devices for the precautions to protect the network and the control electronics from direct and indirect lightning strikes are integrated in the terminal module. The terminal module is supplied in a housing for top-hat rail mounting.

### 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 FW house) must be connected to these terminals. These are important requirements for protecting the system against indirect lightning strikes.

**Terminal box for a twelve-pin cable**

**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.

**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	PE shield/earth	in the example shown
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	PE shield/earth	in the example shown
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