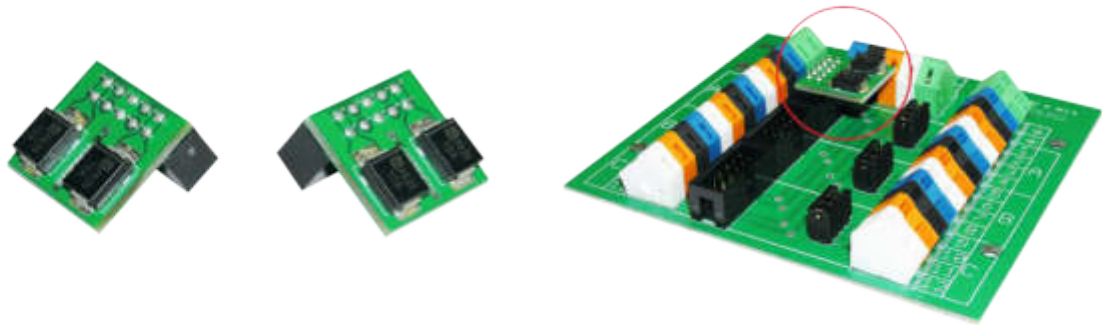


Surge arrester module FSS-SCHNEID

SCHNEID surge arrester module FSS-SCHNEID

for installation in the SCHNEID data socket

Order number:	020.00727
Order code:	Überspannungs-Ableitermodul FSS



Overview:

The SCHNEID surge arrester module FSS-SCHNEID is plugged into the respective slot of the SCHNEID data socket.

The arrester module protects the data interface of the control device against overvoltages as a result of indirect lightning strikes.

Please observe the connection instructions for SCHNEID data networks.

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 (terminal 5,6,7,8) or line 3 (terminal 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	Line	Connection
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	Line	Connection
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

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.

Surge arrester module FSS-SCHNEID

Scope of Delivery:

SCHNEID surge arrester module FSS-SCHNEID for installation in the SCHNEID data socket

Technical specifications:

Intrastat Number	8537.10.91.90
Country of origin	EU/AT
Height, width, depth (in mm)	18x18x12
Weight (in kg)	0,004
Protection	IP-00
Ambient temperature	0°C....+40°C
Breakdown Voltage V_{BR}	9,5 – 10,5V
Maximum Clamping Voltage V_C	14,5V
Maximum Peak Pulse I_{PPM}	103A
Peak Pulse Power (10/1000 μ s)	1500W
Connectivity technology	Socket for base module