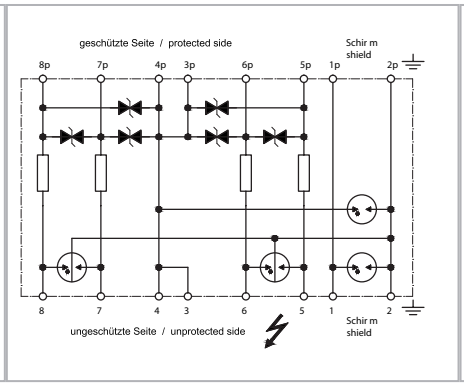
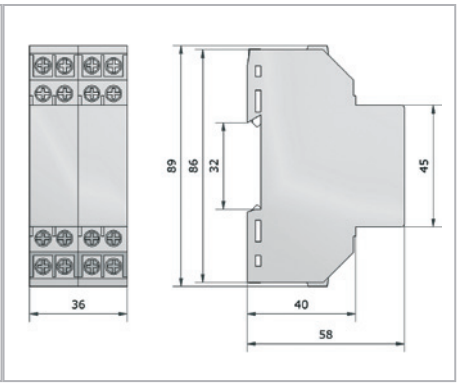
Datasheet

Surge protection for measuring systems and automatic control devices





It consists of a two-stage protectivecircuit with gas-filled arresters used as primary protection. The fine protection is effected exclusively byfilters and suppressor diodes. Thereare no significant leakage currentsdue to the absence of varistors, making remote alarm contact forfault indication and regular controlchecks unnecessary. In the event ofan overload, the suppressor diodeswill provoke a short-circuit (fail-safe) that will continue to protect theconnected equipment and send adefault message to the system.

- **High performance surge protectorfor RS 485 interfaces**
- **Nominal impulse discharge current20 kA, 8/20 µs**
- **Operating current 0.5 A**
- **Mounting on 35 mm DIN rail**

Technical Data		DP-RS 485-Tr
Nominal voltage DC	UN	5 V=
Max. continuous operating voltage DC	Uc	6 V=
Leakage current at Umax DC	IL	≤ 5 µA
Max. allowed operating current		0,5 mA
Max. operating frequency (< 3 dB)	fG	1000 kHz
Capacitance, line-earth	C	≤ 3 nF
DC resistance	R	1,8 Ω
Series inductance, typ.	L	10 µH
Protection level wire-wire	Up	≤ 8,5 V
Protection level (line-earth)		≤ 600 V
Response time	tA	≤ 1 ns
Nominal discharge current (8/20)	In	20 kA
Max. conductor cross section		2.5mm² solid or 1.5mm² flexible with sleeve
Operating temperature range	TU	-25 - +85 °C
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Casting compound		Polyurethane
Mounting on		35 mm DIN rail (DIN EN 50 022)

Order Data	
Product	DP-RS 485-Tr
Article-No.	27 04 85

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