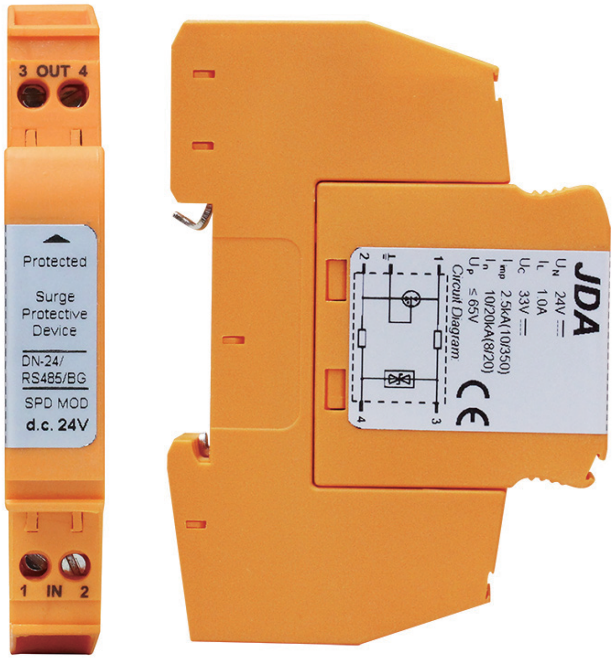
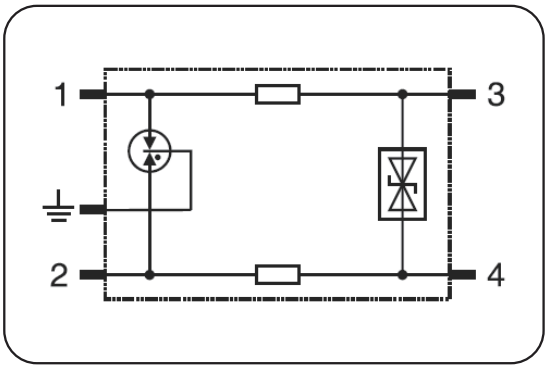
DN-24/RS485/BG





Basic circuit diagram

T1+T2+T3(IEC/EN) DN SERIES data network surge arrester for double-wire systems against the damaging from surges and spikes caused by lightning and other electrical sources, suitable for use in category location B, C (ANSI/IEEE C62.41) or directly at the upstream near the protected devices.

Technical Features

- T1 + T2 + T3 PV SPD per IEC 61643-31/EN50539-11
- Data network protector in according with UL497b, IEC61643-21:2012;
- Pluggable surge protection for DIN mounting;
- Signal transmission is not interrupted when exchanging module
- Limit the transients with gas discharge tubes and transzorb diodes;
- Two-stage protection circuit.
- 2 wires protection
- Suitable to use for high-frequency bus systems or telecommunication transmissions

Type		DN-24/RS485/BG
In accordance with		UL497b,IEC 61643-21:2012
Nominal voltage	Un	24V
Rated voltage (max. continuous voltage)	Uc	33V
Nominal current	IL	1.0A
Lightning discharge current (10/350μs)	Iimp	2.5kA
Nominal discharge current (8/20μs) (per line)	In	10kA
Nominal discharge current (8/20μs) (total)	In	20kA
Voltage protection level at Iimp (line-line) (1KV/μs)	Up	≤ 65V
Voltage protection level at Iimp (line-PG) (1KV/μs)	Up	≤ 550V
Response time	TA	≤ 1ns (line-line) , ≤100ns (line-PG)
Bandwidth	fG	100MHz
Series impedance per line	R	1.0Ω
Capacitance		≤ 25pF (line-line) , ≤16pF(line-PG)
Operating temperature range		-40℃...+80℃
Cross-sectional area		Max. 2.5mm² flexible
Mounting on		35mm DIN-rail in accordance with EN 50022/DIN46277-3
Enclosure material		thermoplastic, UL94-V0
Certification		CE (LVD, EMC)

Installation instruction

1. This product is connected in series to the protected devices.
2. Mount the SPD on the 35mm Din rail.
3. The out terminal should be connected to the protected devices.
4. There is a earthing terminal in each side, and it is recommended to use the one at output side, earth lead must be connected to the earthing system, ideally using 2.5mm^2 cable. The cable should be as short as possible.
5. After above, you should ensure the circuit is functioning.

Regularly inspect the operating status, especially after lightning
Once the communication is off, electrician should check/replace the SPD

Installation diagram: