



Surface-mounted surge arrester for terminal equipment of telecommunications systems as well as telephone systems with RJ plug.

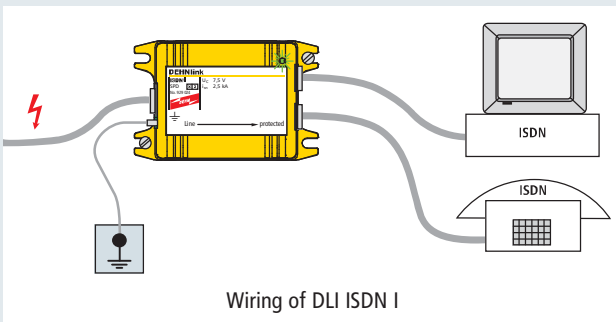
The surface-mounted surge arresters with a modern design particularly protect modems and telephone systems with RJ plugs. The plug-in terminals allow easy installation.

- Surface-mounted surge protective device for telecommunication systems
- Quick installation due to plug-in terminals
- Different interface-specific types

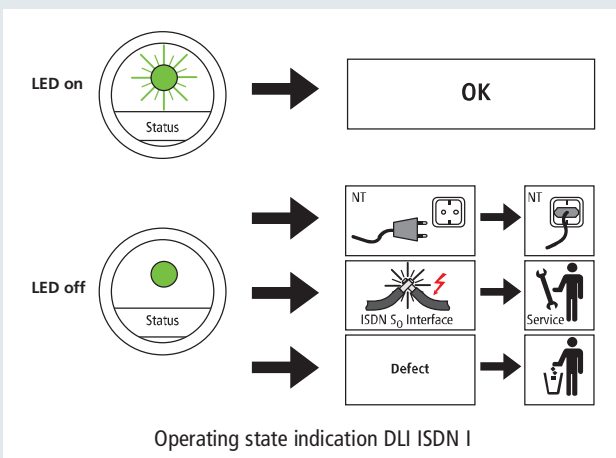


Devices with and without operating state indication

Compared to conventional devices (... ECO), the different ...I types have an additional LED indicating the supply voltage. This helps to immediately recognise system failures. Furthermore, a wide range of accessories such as connecting cables or fixing material is available.

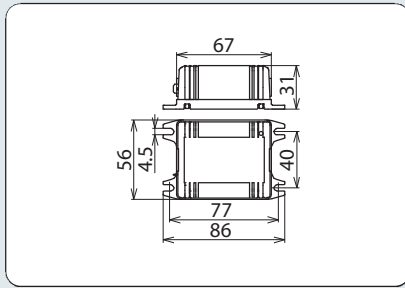


Their integrated connection system allows DLI ISDN I arresters to protect two terminal devices at the same time. The operating state indicator only lights up if the NTBA is also connected to the power supply system. No indication is provided during emergency operation (remote supply of telecommunication network operator).

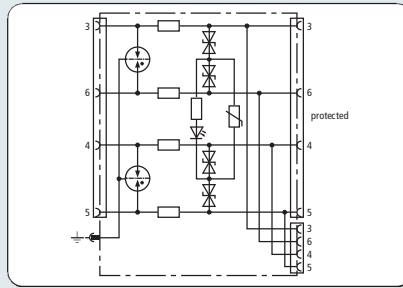


The operating state indicator informs on the proper operation of the device. In the event of a fault, the connections and cables have to be checked. If no installation fault is identified, the arrester has been overloaded and must be replaced.





Dimension drawing DLI ISDN I



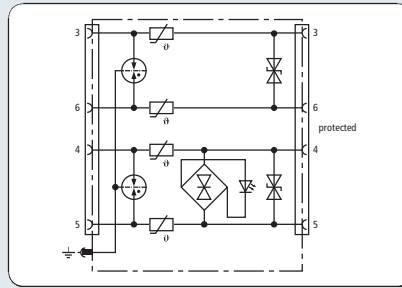
Basic circuit diagram DLI ISDN I



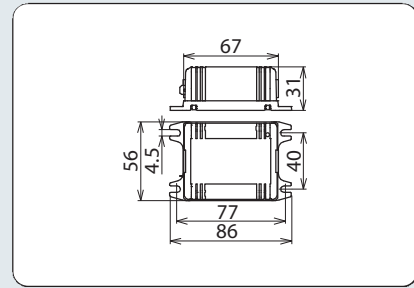
Energy-coordinated surge arrester with two protected ISDN S_0 outputs and operating state indication (LED) of the remote supply voltage. No indication during emergency operation (supply from telephone network only). Connecting cable and mounting material included.

- Two protected outputs
- Surge protection and LED indication for the remote supply included
- For installation in conformity with the lightning protection zones concept at the boundaries from $0_B - 2$ and higher

Type	DLI ISDN I
Part No.	929 024
SPD class	TYPE 2 P1
Nominal voltage (U_N)	5 V
Nominal voltage pair-pair (U_N)	40 V
Max. continuous operating d.c. voltage (U_C)	7.5 V
Max. continuous operating a.c. voltage (U_C)	5.2 V
Max. continuous d.c. voltage pair-pair (U_C)	45 V
Nominal current (I_N)	200 mA
C2 Total nominal discharge current (8/20 μ s) (I_n)	10 kA
C2 Nominal discharge current (8/20 μ s) per line (I_n)	2.5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 30 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 600 V
Voltage protection level pair-pair for I_n C2 (U_p)	≤ 180 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 17 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 600 V
Voltage protection level pair-pair at 1 kV / μ s C3 (U_p)	≤ 100 V
Series impedance per line	1 ohm
Cut-off frequency line-line	2 MHz
Capacitance line-line (C)	≤ 3 nF
Capacitance line-PG (C)	≤ 15 pF
Operating temperature range	-40°C...+80°C
Degree of protection	IP 20
Connection (input/output)	RJ45 / 2 x RJ45
Pinning	3/6, 4/5
Earthing via	flat connector 6.3 mm
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	GOST
Accessories	connecting cable, mounting material



Basic circuit diagram DLI TC 2 I



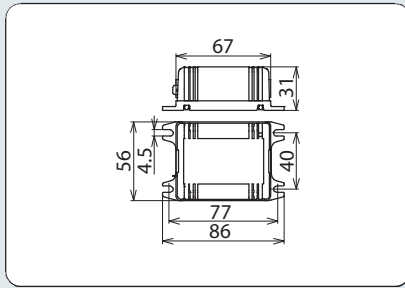
Dimension drawing DLI TC 2 I

- LED indicates supply voltage
- Integrated protection against power crossing
- For installation in conformity with the lightning protection zones concept at the boundaries from 0_B – 2 and higher

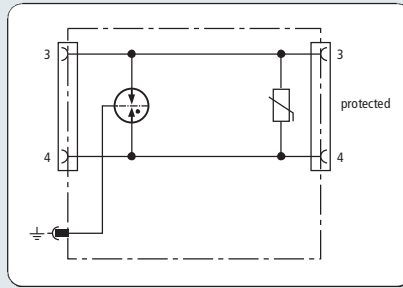
Two-stage surge arrester with overcurrent protection for analogue or system telephones with operating state indication (LED). Even protects from alternating current interference. Pinning compatible with RJ11/12 plugs. Connecting cable and mounting material included.

Type	DLI TC 2 I
Part No.	929 028
SPD class	TYPE 2 P2
Nominal voltage (U _N)	110 V
Max. continuous operating d.c. voltage (U _c)	170 V
Max. continuous operating a.c. voltage (U _e)	120 V
Nominal current (I _n)	150 mA
C2 Total nominal discharge current (8/20 μs) (I _n)	10 kA
C2 Nominal discharge current (8/20 μs) per line (I _n)	2.5 kA
Voltage protection level line-line for I _n C2 (U _p)	≤ 250 V
Voltage protection level line-PG for I _n C2 (U _p)	≤ 600 V
Voltage protection level line-line at 1 kV/μs C3 (U _p)	≤ 230 V
Voltage protection level line-PG at 1 kV/μs C3 (U _p)	≤ 600 V
Series impedance per line	10 ohms
Cut-off frequency line-line	10 MHz
Capacitance line-line (C)	≤ 0.3 nF
Capacitance line-PG (C)	≤ 15 pF
Operating temperature range	-40°C...+80°C
Degree of protection	IP 20
Connection (input/output)	RJ45 / RJ 45 (compatible with RJ12)
Pinning	3/6, 4/5 (3/4, 2/5 for RJ12)
Earthing via	flat connector 6.3 mm
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	GOST
Accessories	connecting cable, mounting material





Dimension drawing DLI TC



Basic circuit diagram DLI TC



High-capacity surge arrester for analogue or system telephones, RJ12 sockets.

- Cost-effective protection for one pair
- Modern design
- For installation in conformity with the lightning protection zones concept at the boundaries from $O_B - 2$ and higher

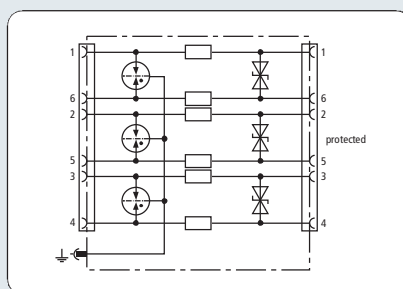
Type	DLI TC ECO RJ12
Part No.	929 081
SPD class	TYPE 2 P2
Nominal voltage (U_N)	130 V
Max. continuous operating d.c. voltage (U_C)	170 V
Max. continuous operating a.c. voltage (U_C)	120 V
Nominal current (I_n)	200 mA
C2 Total nominal discharge current (8/20 μ s) (I_n)	5 kA
C2 Nominal discharge current (8/20 μ s) per line (I_n)	2.5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 480 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 600 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 280 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 600 V
Cut-off frequency line-line	10 MHz
Capacitance line-line (C)	≤ 0.7 nF
Capacitance line-PG (C)	≤ 15 pF
Operating temperature range	-40°C...+80°C
Degree of protection	IP 20
Connection (input/output)	RJ12 / RJ12
Pinning	3/4
Earthing via	flat connector 6.3 mm
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	GOST
Accessories	mounting material



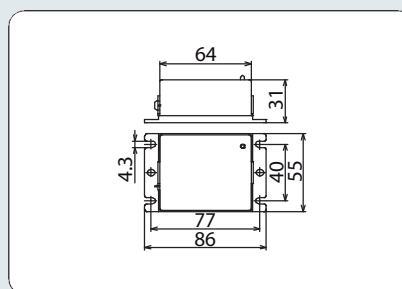
- Surface-mounted protective device for telecommunications surge systems
- Plug-in terminals allow quick installation
- Im compliance with British Telecom requirements

Surface-mounted surge arrester for telecommunications terminal equipment and telephone systems with BT plug-in terminal

Surface-mounted surge arrester for telecommunications terminal equipment and telephone systems with BT plug-in terminal. The device meets the requirements of Oftel NS/G/23/L/100005 for connections between a terminal point of a public telephone installation and any telecommunications terminal equipment. Fulfils BS6651:1992, Appendix C, Category C-High and CCITT K17.



Basic circuit diagram DLI TC BT



Dimension drawing DLI TC BT

- In compliance with British Telecom requirements
- Protection of all lines
- For installation in conformity with the lightning protection zones concept at the boundaries from $0_B - 2$ and higher

Surge protective device for analogue or system telephones in accordance with British Telecom requirements. Plug-in terminals allow easy installation. Energy-coordinated protective circuit for all pairs, no leakage currents to earth.

Typ	DLI TC BT
Art.-Nr.	929 026
SPD class	TYPE 2 P2
Nominal voltage (U_N)	130 V
Max. continuous operating d.c. voltage (U_C)	145 V
Nominal current (I_N)	125 mA
C2 Total nominal discharge current (8/20 μ s) (I_n)	10 kA
C2 Nominal discharge current (8/20 μ s) per line (I_n)	5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 210 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 550 V
Voltage protection level line-line at 1 kV / μ s C3 (U_p)	≤ 185 V
Voltage protection level line-PG at 1 kV / μ s C3 (U_p)	≤ 450 V
Series impedance per line	4.7 ohm(s)
Cutt-off frequency (f_G)	13 MHz
Capacitance line-line (C)	≤ 400 pF
Capacitance line-PG (C)	≤ 10 pF
Operating temperature range	-40°C...+80°C
Degree of protection	IP 20
Connection (input/output)	BT jack / BT jack
Pinning	1/6, 2/5, 3/4
Earthing via	flat connector (6.3 mm)
Enclosure material	thermoplastic
Colour	black
Test standards	IEC 61643-21
Accessory	connecting cable, mounting material