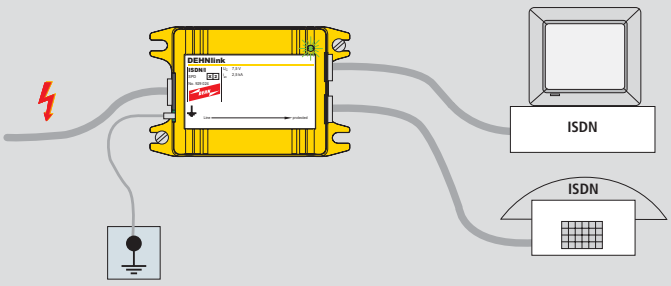
Surge arrester for telecommunications terminal devices and telephone systems with RJ plug-in connection for surface mounting.

- **Surface-mountable surge protective device for telecommunication systems**
- **Quick installation due to plug-in terminals**
- **Different types specified for interfaces**

Surge arrester for surface mounting in modern design. It protects especially modems and telephone systems with RJ plug-in connections. The plug-in connections allow for easy installation.

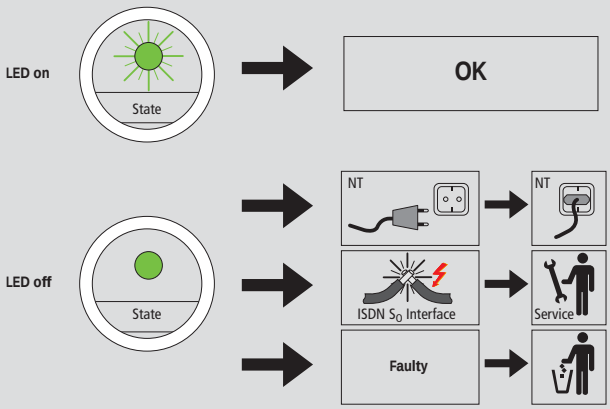
Devices with and without operating state indication

Compared to conventional devices ( ... ECO), the different SPD units with ...I type designation have an additional LED indication of the supply voltage. This helps to immediately recognise interferences on the installation. Furthermore, they provide a wide range of accessories like connecting cables or fixing material.




Wiring of DLI ISDN I

DLI ISDN I can protect two terminal devices at the same time due to the integrated distribution function. The operating state indication is only illuminated, if the NTBA is also connected to the power supply and not in case of emergency operation (remote supply of telecommunication network operators).



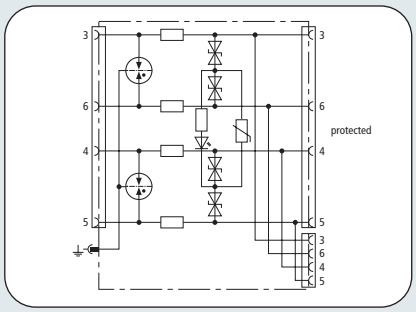

Operating state indication DLI ISDN I

The operating state indication informs about the operating condition of the device. In case of faults, the connections and cables have to be checked. If no installation fault can be detected, the SPD has been overloaded and has to be replaced.

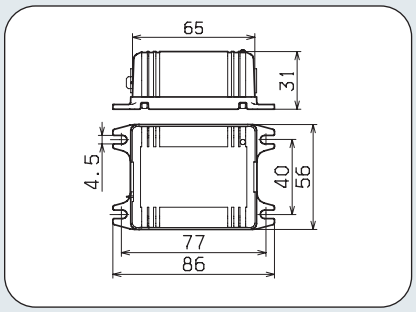
# DLI ISDN I



- **2 protected outputs**
- **Surge protection and LED indication for the remote supply included**
- **For use according to the lightning protection zones concept at boundaries $0_B$ – 2 and higher**




Energy-coordinated ISDN 4-wire protective circuit with additional protection and indication of the remote power supply.



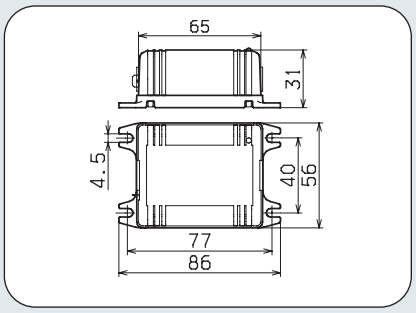

Dimension drawing DLI ISDN I

SPD with two protected ISDN $S_0$ outputs (distribution function) and operating state indication (LED) of the remote supply voltage. No indication during emergency operation (supply from telephone system only). Connecting cable and mounting material included.

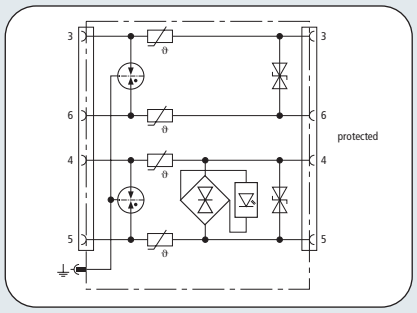
| | DLI ISDN I |
|---|---|
| SPD class | TYPE 2 P1 |
| Nominal voltage $U_N$ | 5 V |
| Nominal voltage pa-pa $U_N$ | 40 V |
| Max. continuous operating d.c. voltage $U_c$ | 7.5 V |
| Max. continuous a.c. voltage $U_c$ | 5.2 V |
| Max. continuous d.c. voltage pa-pa $U_C$ | 45 V |
| Nominal current $I_L$ | 200 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 $U_p$ | ≤ 30 V |
| Voltage protection level line-PG for $I_n$ C2 $U_p$ | ≤ 600 V |
| Voltage protection level pa-pa for $I_n$ C2 $U_p$ | ≤ 180 V |
| Voltage protection level line-line for 1 kV/µs C3 $U_p$ | ≤ 17 V |
| Voltage protection level line-PG for 1 kV/µs C3 $U_p$ | ≤ 600 V |
| Voltage protection level pa-pa for $I_n$ C2 $U_p$ | ≤ 100 V |
| Series impedance per line | 1 ohm |
| Bandwidth 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 by | flat connector 6.3 mm |
| Enclosure material | polyamide PA 6.6 |
| Colour | yellow |
| Test standards | IEC 61643-21 |
| Accessories | connecting cable, mounting material |

| Ordering information | |
|---|---|
| Type | DLI ISDN I |
| Part No. | **929 024** |
| Packing unit | 1 pc(s). |

# DEHNlink
# DLI TC I




Dimension drawing DLI TC I



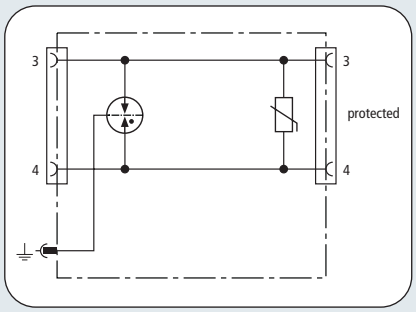

2-stage protective circuit with overcurrent protection and system voltage indication of DLI TC 2 I.

- **LED indicates supply voltage**
- **Protection against power crossing integrated**
- **For use according to the lightning protection zones concept at boundaries $0_B$ – 2 and higher**

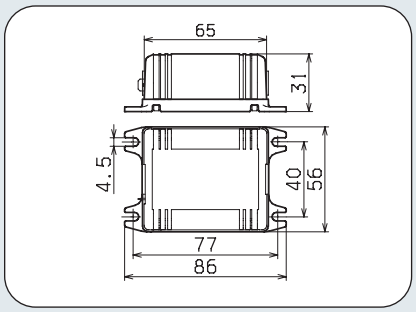
Protective device for analogue telephony or system telephony with operating state indication (LED). Protects even against a.c. current interferences. Compatible with pins of RJ11/12 plugs. Connecting cable and mounting material included.

| | DLI TC 2 I |
|---|---|
| **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 $U_c$** | 120 V |
| **Nominal current $I_L$** | 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 for 1 kV/µs C3 $U_p$** | ≤ 230 V |
| **Voltage protection level line-PG for 1 kV/µs C3 $U_p$** | ≤ 600 V |
| **Series impedance per line** | 10 ohms |
| **Bandwidth 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 by** | flat connector 6.3 mm |
| **Enclosure material** | polyamide PA 6.6 |
| **Colour** | yellow |
| **Test standards** | IEC 61643-21 |
| **Accessories** | connecting cable, mounting material |

| **Ordering information** | |
|---|---|
| **Type** | DLI TC 2 I |
| **Part No.** | **929 028** |
| **Packing unit** | 1 pc(s). |




Using a high-capacity varistor makes decoupling to the gas discharge tube unnecessary.




Dimension drawing DLI TC

- **Economical protection for 1 pair**
- **Modern design**
- **For use according to the lightning protection zones concept at boundaries $0_B$ – 2 and higher**

Protective device for analogue telephony or system telephony, RJ12 unit.

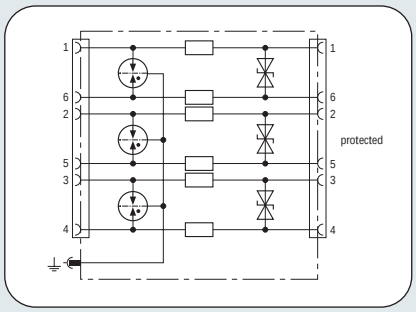
| | DLI TC ECO RJ12 |
|---|---|
| SPD class | TYPE 2 P2 |
| Nominal voltage $U_N$ | 130 V |
| Max. continuous operating d.c. voltage $U_c$ | 170 V |
| Max. continuous operating a.c. voltage $U_c$ | 120 V |
| Nominal current $I_L$ | 200 mA |
| C2 Total nominal discharge current (8/20 µs) $I_n$ | 5 kA |
| C2 Nominal discharge current (8/20 µs) per line $I_n$ | 2.5 kA |
| Voltage protection level line-line for $I_n$ C2 $U_p$ | ≤ 480 V |
| Voltage protection level line-PG for $I_n$ C2 $U_p$ | ≤ 600 V |
| Voltage protection level line-line for 1 kV/µs C3 $U_p$ | ≤ 280 V |
| Voltage protection level line-PG for 1 kV/µs C3 $U_p$ | ≤ 600 V |
| Bandwidth 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 by | flat connector 6.3 mm |
| Enclosure material | polyamide PA 6.6 |
| Colour | yellow |
| Test standards | IEC 61643-21 |
| Accessories | mounting material |
| **Ordering information** | |
| Type | DLI TC ECO RJ12 |
| Part No. | **929 081** |
| Packing unit | 1 pc(s). |

# DEHNlink TC BT
## Surge arrester

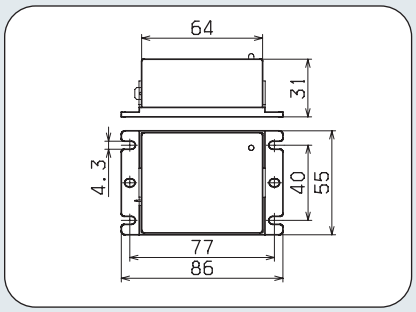
Surge arrester for telecommunications terminal equipment and telephone systems with BT plug-in connection for surface mounting.

- **Surface-mountable protective device for telecommunication systems**
- **Quick installation due to plug-in terminals**
- **Device according to British Telecom requirements**

Surge arrester for telecommunications terminal equipment and telephone systems with BT plug-in connection for surface mounting. The device corresponds to requirements by Oftel NS/G/23/L/100005 on 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.




Energy-coordinated protective circuit for all pairs, free of leakage currents to earth.




Dimension drawing DLI TC BT

- **Device according to British Telecom requirements**
- **Protection for all lines**
- **For use according to the lightning protection zones concept at boundaries $0_B$ – 2 and higher**

Protective device for analogue telephony or system telephony in accordance with British Telecom requirements. Pluggable terminals for easy installation.

| | DLI TC BT |
|---|---|
| SPD class | TYPE 2 P2 |
| Nominal voltage $U_N$ | 130 V |
| Max. continuous operating d.c. voltage $U_C$ | 145 V |
| Nominal current $I_L$ | 125 mA |
| C2 Total nominal discharge current (8/20 µs) $I_n$ | 10 kA |
| C2 Nominal discharge current (8/20 µs) per line $I_n$ | 5 kA |
| Voltage protection level line-line for $I_n$ C2 $U_p$ | ≤ 210 V |
| Voltage protection line-PG for $I_n$ C2 $U_p$ | ≤ 550 V |
| Voltage protection level line-line for 1 kV/µs C3 $U_P$ | ≤ 185 V |
| Voltage protection level line-PG for 1 kV/µs C3 $U_P$ | ≤ 450 V |
| Series impedance per line | 4.7 ohms |
| Bandwidth $f_G$ | 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 by | flat connector 6.3 mm |
| Enclosure | thermoplastic |
| Colour | black |
| Test standards | IEC 61643-21 |
| Accessories | connecting cable, mounting material |
| **Ordering information** | |
| Type | DLI TC BT |
| Part No. | **929 026** |
| Packing unit | 1 pc(s). |