

Surge protection concept for LED street lights



DEHN surge protective devices avoid failure and maintenance work and extend the lifetime of LED lights.



Street lights are currently being refitted by many municipal utilities. Conventional luminaires are generally replaced with LEDs. Although LED technology has a lot of advantages over older luminaire technologies, LEDs are more susceptible to surges and lightning effects which exceed the dielectric strength of the lighting many times over. Consequently, LED lights are damaged and have to be replaced, which is both time-consuming and costly. This can be prevented by installing powerful surge arresters in the fuse boxes and cable distribution cabinets.

DEHN arresters prevent failure and avoid unnecessary maintenance. This ensures perfectly functioning lighting, keeping residents safe and satisfied. Moreover, surge protection extends the lifespan of LED lights – for the long-term protection of your investment.

Reasons for surge protective devices from DEHN:

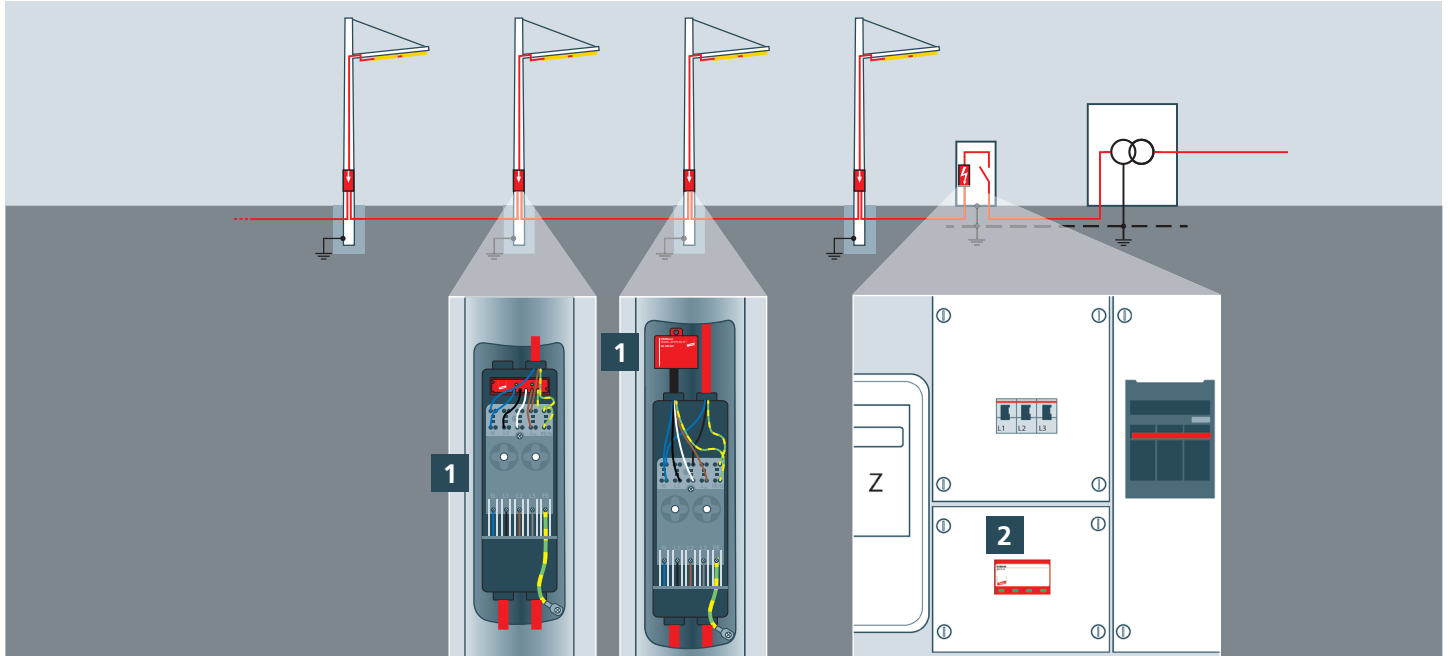
- LED lights are sensitive electric consumers which are more susceptible to surges than conventional luminaires
- A surge protection concept with DEHN arresters avoids maintenance as a result of surge damage.
- DEHN arresters ensure the longevity and availability of LED technology.
- DEHN arresters are top-quality products from Germany which offer reliable surge protection.
- DEHN is a reliable partner. Our experienced field staff and technical support will be happy to help you. We are only a call away: +49 9181 906 1750

More information
is available on the Internet:

▶ ▶ ▶ Short-Link: de.hn/led-en

www.dehn-international.com

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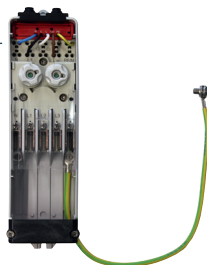


The surge arresters are installed in the fuse box at the mast base and in the cable distribution cabinets of the supply system.

1 Fuse box EK480

Fuse box EK 480 Universally applicable fuse box EK 480 with integrated DEHNcord surge arrester (Part No. 900 445)

- Can be used for door sizes from 80 x 300 mm
- Can be installed in masts with an inside diameter of 89 mm and larger



Type	Part No.
SK EK480 G2S-2d LM DCOR	900 443

1 DEHNcord DCOR L ... 275 SO LTG

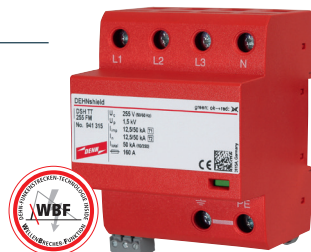
- Multipole type 2 surge arrester with thermal monitoring device and disconnecter
- Dual visual fault indicator for the discharge path of the supply voltage and the control phase
- The LED can be disconnected in case of a faulty surge protective device



Type	Part No.
DCOR L 3P 275 SO LTG (protection of the control phase)	900 445
DCOR L 2P 275 SO LTG	900 446

2 DEHNshield®

Prewired and application-optimised type 1 + type 2 spark-gap-based combined arrester



Type	Part No.
DSH TT 255 (FM)	941 310 (941 315)
DSH TNS 255 (FM)	941 400 (941 405)
DSH TNC 255 (FM)	941 300 (941 305)

1 Alternative: DEHNcord DCOR L ... 275 SO IP

- Multipole type 2 surge arrester with thermal monitoring device and disconnecter
- Universal retrofit version with IP65 degree of protection
- PVC-sheathed cables can be entered into any fuse box
- Dual visual fault indicator for the discharge path of the supply voltage and the control phase
- The LED can be disconnected in case of a faulty surge protective device



Type	Part No.
DCOR L 3P 275 SO IP (protection of the control phase)	900 447
DCOR L 2P 275 SO IP	900 448