********Ethernet media converters for more reliable energy networks**

The FL MC 2000E SM40 LC Ethernet media converter completes the class of optical converters for use in energy technology. With its robust design it is ideal for extreme environmental requirements according to IEC 61850-3 and IEEE 1613.

The media converter version with single-mode fibreglass covers distances of up to 40 kilometres. Data transmission via fibre optics optimises Ethernet applications with regard to their performance and transmission reliability. With their robust metal housing, both devices for multi-mode and single-mode fibreglass meet extreme environmental requirements.

High electromagnetic compatibility enables use in switchgear which require IEC 61850-3 or IEEE 1613. The extended temperature range of -40 to +75°C supports use in a variety of applications. The redundant power supply is flexible and covers a wide range from 12 to 57 V DC.

In addition to numerous diagnostics LEDs, the media converters feature the LFP (Link Fault Pass Through) function. This ensures permanent and consistent connection monitoring. Furthermore, Ethernet pass through mode supports very short delay times of just 700 ns, also making the media converters ideal for use in time-critical applications such as Profinet, Powerlink, EtherCat or Sercos III.

**Ends**

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