


## Shock and vibration resistant M12 IP40 Industrial Ethernet Switches

### NITE-XK

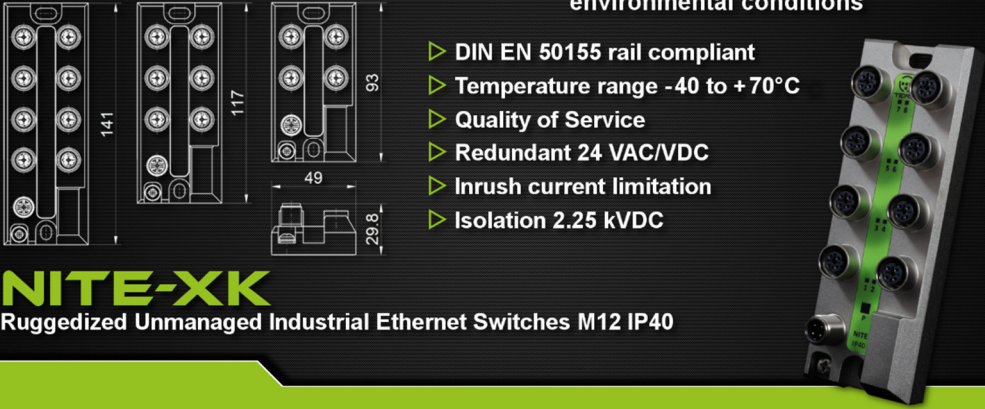
Robust, vibration-proofed and reliable networking of machines, automation systems and vehicles in harsh environmental conditions



**Robust, vibration-proofed communication under harsh environmental conditions**

- ▷ DIN EN 50155 rail compliant
- ▷ Temperature range -40 to +70°C
- ▷ Quality of Service
- ▷ Redundant 24 VAC/VDC
- ▷ Inrush current limitation
- ▷ Isolation 2.25 kVDC

**NITE-XK**  
 Ruggedized Unmanaged Industrial Ethernet Switches M12 IP40



Thanks to the secure M12 connection technology, the new NITE-XK Industrial Ethernet switches are perfectly suited for use in harsh industrial environments and for networks in passenger trains, buses, commercial vehicles and agricultural machinery. The 24 Volt AC/DC supply voltage is redundant and protected against polarity reversal and works reliably even with undersupply of less than 10 volts. The tolerance to voltage dips and inrush current limitation allow a stable operation. Due to the extended temperature range of -40°C to +70°C, a dielectric strength of 2.25 kVDC and excellent EMC behaviour, the NITE-XK Industrial Ethernet switches are suitable for use in trains and comply with DIN EN 50155. The priority-driven packet forwarding (Quality of Service) ensures maximum efficiency in data communication. The ultra-compact switches are the smallest IP40 switches worldwide with a width of only 49 mm and are available with 4, 6 and 8 Ports M12 D-coded and support Autonegotiation and Auto MDI-X for a quick and easy commissioning. The TERZ NITE-XK Ethernet switches integrate seamlessly and transparently into any industrial network and PROFINET application.

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