



Safety sensors for personal protection in hazardous areas!



The only ones on the market with Ex-d approval and approval according to safety category 4 or SIL 3 and PL e!

Light barriers of the IGN, IGD (with Ex approval) and IGS (without Ex approval) families

- Can be used directly in Ex zones 1, 2, 21, 22 (gas and dust Ex), can radiate into Ex zones 0 and 20
- · Versions with restart interlock, contamination output, alignment aid
- Performance level (PL e), BWS type 4, safety category 4, safety integration level (SIL 3)
- Two safety outputs OSSD 1 and OSSD 2
- Operating ranges up to 30 m
- Ex d versions
- M30 versions in metal housing with IP65, Ip67 protection

Inductive proximity switches of the ISN, ISD (with Ex approval) and ISS (without Ex approval)

- Suitable for use in Ex zones 1, 2, 20/21, 22 (gas and dust Ex)
- Performance level (PL e), safety category 4, safety integration level (SIL 3)
- Two safety outputs OSSD A1 and OSSD A2
- Analog outputs, fail-safe
- Ex d versions
- M30 versions in metal housing with protection class IP65, IP67
- Switching distances from 2 ... 15 mm

Note: The safety sensors may only be used in conjunction and exclusively with downstream safety switching devices (relay safety safety switching devices (relay safety PLC).















Company Group





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