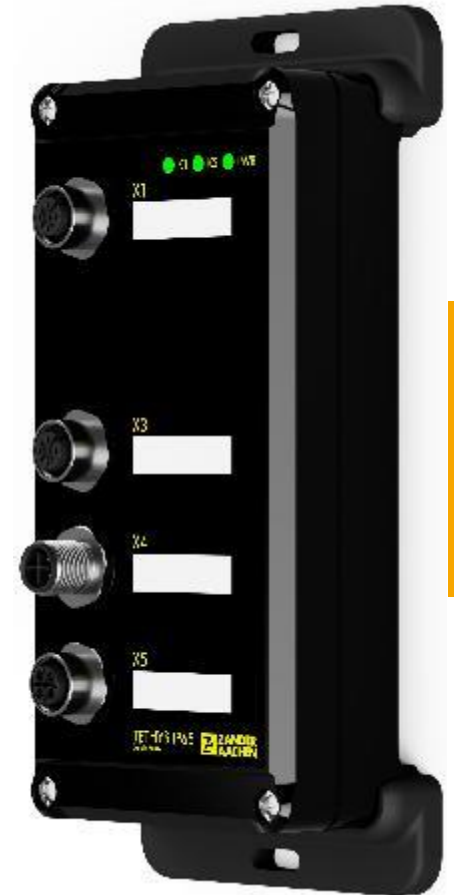


Decentralized Safety Relay Family TETHYS IP65



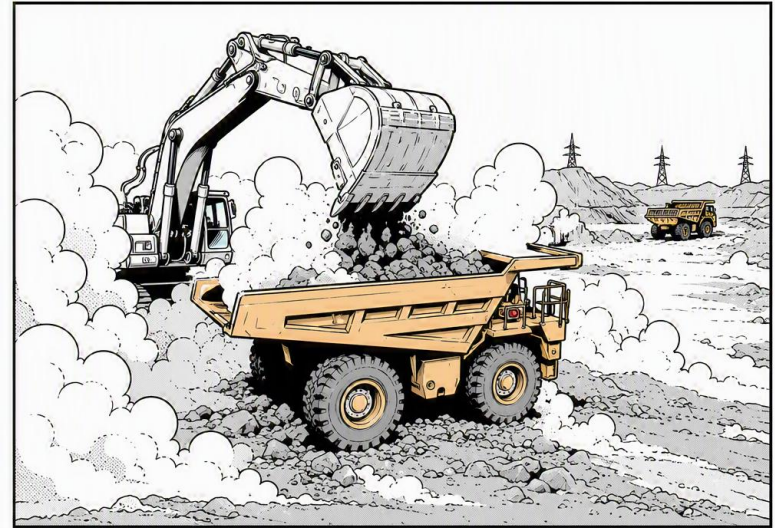
Concept Variants SR and KR



Safety

IP65 Protection

IP6X: Dustproof
No ingress of dust



IPX5: Waterproof
Proof against water jets



Key Features

- 3 potential free NO safety contacts
- 1 potential free NC auxiliary contact
- 1 semiconductor auxiliary output
- Switching power: up to 18A total current at 250V
- Reinforced isolation 6kV on safety contacts
- IP65 Protection, dust- and waterproof
- Custom configurations possible



pending

Safe Coupling Function KR Variant

Safe Coupling Function

Galvanically isolated extension for
Safety I/O Modules

Extension of safe contacts for a base
device

e.g. Safety SPS or TETHYS IP65 SR



Safety

Supported Sensors

Potential-free Sensors

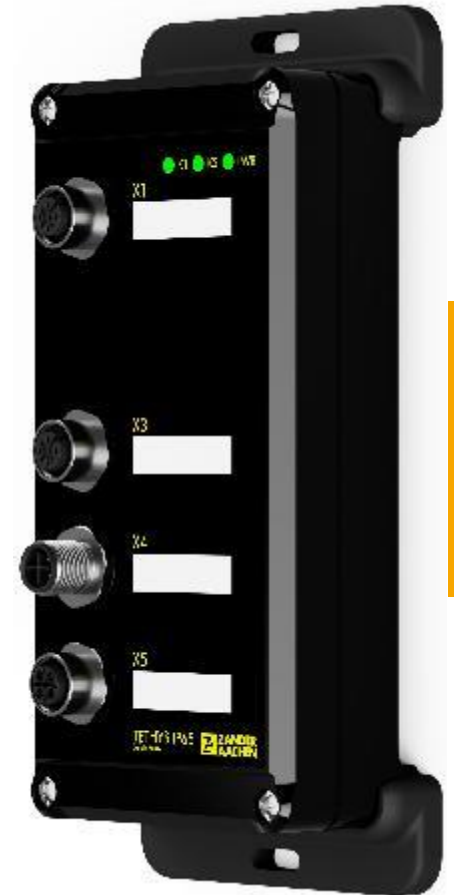
e.g. Emergency Stop Switches

OSSD-Sensors

e.g. Coded RFID Switches

Tactile Sensors

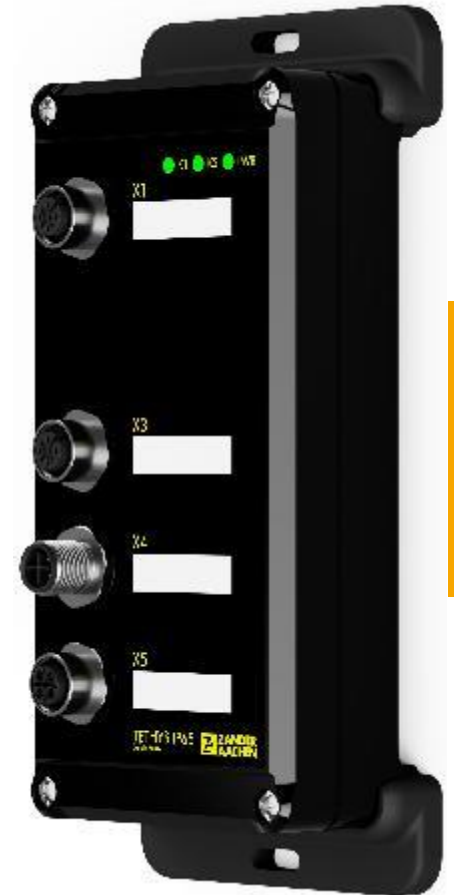
e.g. Safety Mats



Safety

Potential-free Sensors

TETHYS IP65 SR supports all kinds of Safety Sensors with potential-free contacts.



Safety

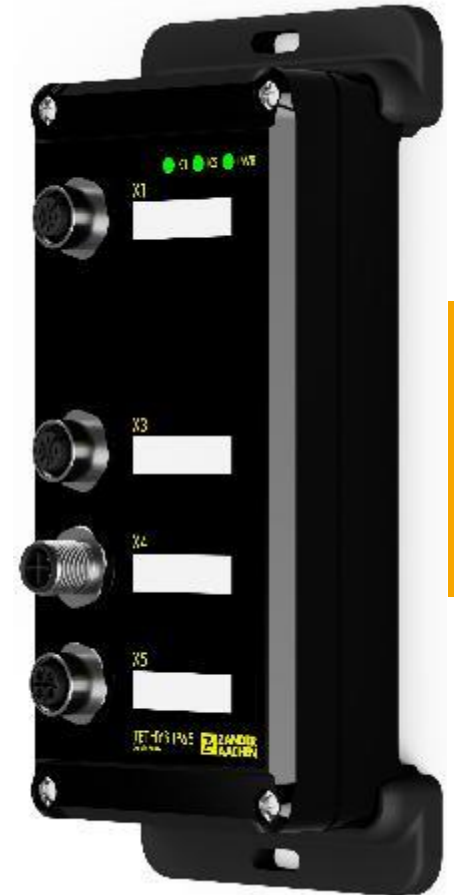
OSSD-Sensors

TETHYS IP65 SR supports all kinds of Safety Sensors with OSSD Outputs.



Tactile-Sensors

TETHYS IP65 SR supports all kinds of 4-wire Tactile Safety Sensors.

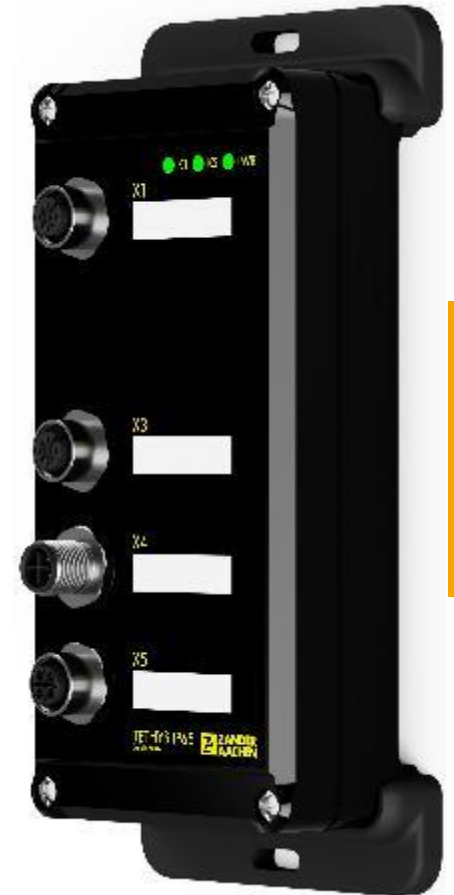


Safety

Applications

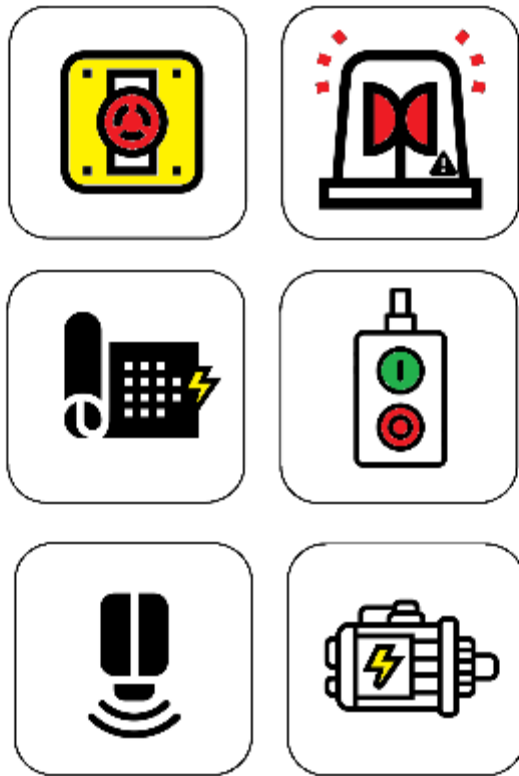
The TETHYS IP65 is designed especially for these applications:

- Decentral application of all kind
- Retrofit
- Mobile applications
- Harsh environment



Safety

Applications

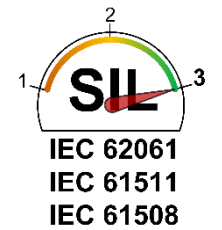
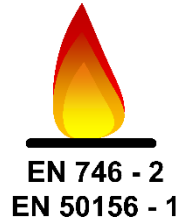
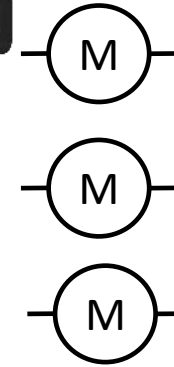
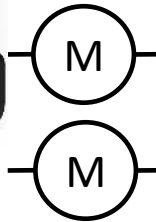
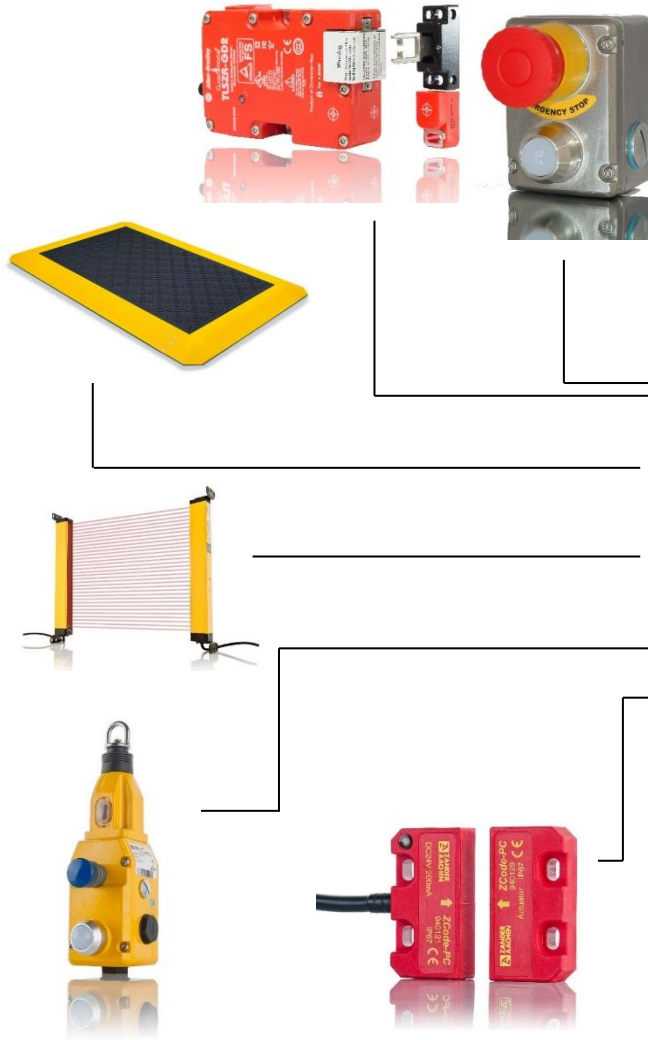


EN 13577-4
EN 50156-1



**ZANDER
AACHEN**

Applications



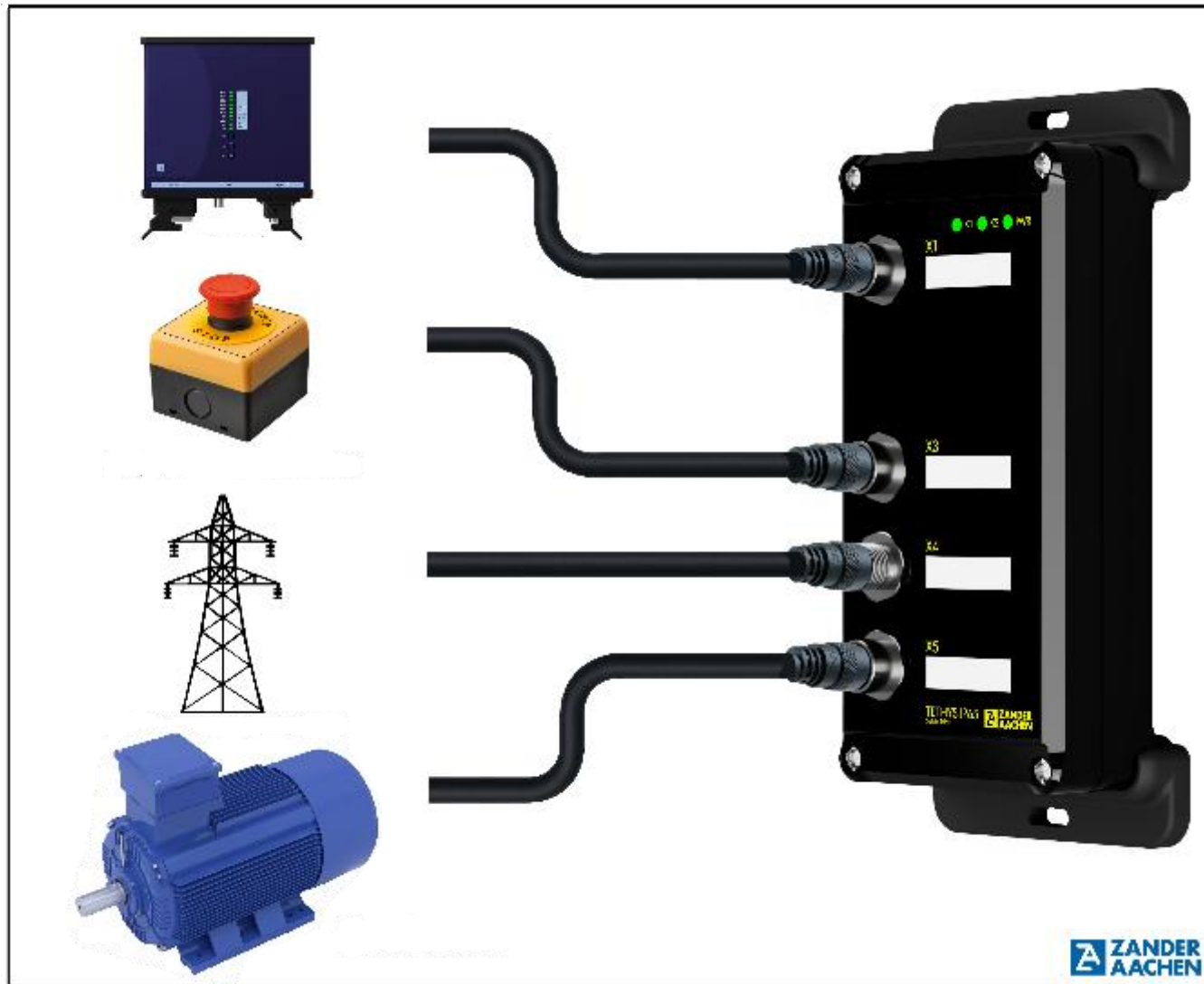
Safety



Mobile Applications



Mobile Applications

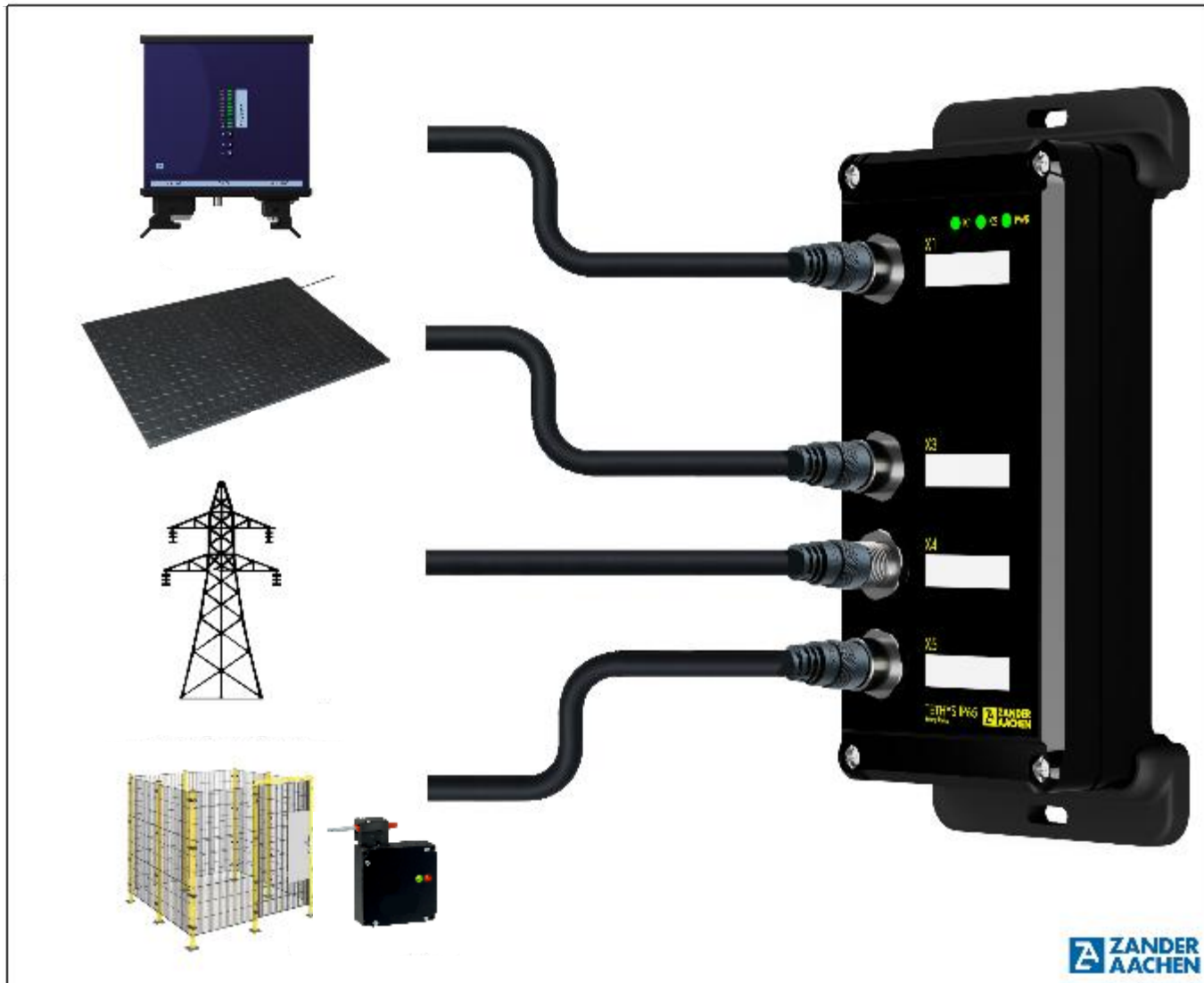


Application example retrofit



Safety

Application example retrofit



Logistics



Safety

Custom configurations

The TETHYS IP65 is designed for plug ´n play use.

The pinout has been carefully selected to meet usual M12 standards.

If it doesn't fit – no problem.
Configurations according to customer needs possible.

e.g. connector type, pinout, start/rest behavior



Safety