Double Safety in One Module:

Safety Meets Ex i = Safety

Intrinsically safe, 4-channel, digital input module for functional safety: 4F-Ex i DI 24V
PROFIsafe V2 iPar 750-663/000-003*
Failsafe digital input module for sensors in Ex Zones 0/20 and 1/21
Installation in Ex Zone 2/22
Four intrinsically safe inputs with functional safety
Rated up to SIL 3, Cat. 4/ PL e
PROFIsafe
Module width: 24 mm
Can be combined in Zone 2 with 400 different modules from the WAGO-I/O-SYSTEM

*Advance notice: Publication in E-Shop by January 2013
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<td><strong>Input and Output Module</strong></td>
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WAGO-I/O-SYSTEM 750/753 with PROFIsafe Functions

Configurable functions
- Digital input filters (0–200 ms in stages)
- Operating mode:
  - 1-channel
  - 2-channel
- Rotary table switch/Mode selector switch
- Antivalence
- Short-circuit monitoring can be switched off
- Restart barrier
- Discrepancy time monitoring (0–255 ms)
- Test pulse length per output channel (0–500 ms in stages)
- Line break detection of outputs can be switched off
- High-side or low-side switching outputs (bipolar or unipolar)

Extensive diagnostics via LED and fieldbus
- Channel-related diagnostic messages
- Short circuit to ground/overload
- External voltage/short circuit to +24VDC
- Discrepancy errors
- Module-related diagnostic messages
- Overtemperature
- External +24VDC supply fault
- Internal errors
- Faulty parameter setting

Short-circuit- and overload-proof sensor power supply and outputs

iPar Server Support

Easy Configuration via TCI (Tool Calling Interface)
Application Examples

4 x Emergency-Off, 2-Channel, SIL CL 3, PL e, Cat. 4

8 x Emergency-Off, 1-Channel, SIL CL 2, PL d, Cat. 2

4 x Motor, 1-Channel, with Feedback, SIL CL 2, PL d, Cat. 2

2 x Motor, 2-Channel, with Feedback, SIL CL 3, PL e, Cat. 4

2 x 4-Way Selector Switch, SIL CL 3, PL e, Cat. 4

Protective Door Monitoring, SIL CL 3, PL e, Cat. 4
Out1+/Out2+ Loads Connected to 0V (Ground), SIL CL 3, PL e, Cat. 4

Two Parallel Loads Connected to One Digital Power Output, SIL CL 3, PL e, Cat. 4