

Function Principle	Emitter + Receiver
1. The emitter transmits a signal to the receiver. 2. The receiver receives the signal and processes it. 3. The receiver sends a response back to the emitter.	1. The emitter transmits a signal to the receiver. 2. The receiver receives the signal and processes it. 3. The receiver sends a response back to the emitter.

Available functions	Manual/Automatic Restart, EDM
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Safety parameters

Type	4
SIL	3
SILCL	3
PL	e
PFHd	1,28E-08
Dcavg	94,90%
MTTFd	100
CFF	80%

Outputs

Output type	2 x PNP-NO (OSSD safety output)
Response time	6ms

Electrical data

Operating Voltage	19,2 ... 28,8 Vcc
Load current	≤ 400mA
Time delay before availability	2s
Interference to external light	according to IEC 61496-2
Power Consumption - Receiver	2W (no load)
Power Consumption - Emitter	1W
Equivalent Resistive Load	≥ 60 Ω
Capacitive Load	≥ 0,82 µF
Cabel Length (Power Supply/Output)	≤ 100m
Cable Length for Master Slave Interconnections	≤ 50m

Mechanical data

Dimensions	28mm (front) x 30mm
Connections	Cable 8 wires (emitter) Cable 10 wires (receiver)
Operating temperature	-10°C ÷ +55°C (no condensation)
Storage temperature	-25°C ÷ +70°C (no condensation)
humidity	95% (no condensation)

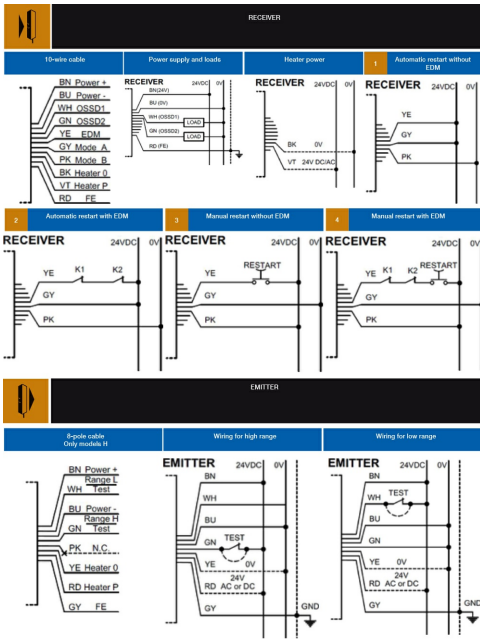
Test/Approvals

Approvals	CE, cULus, TÜV
EMC compatibility	According to 2014/30/EU Directive
Shocks and vibrations	according to IEC 61496-1
Degree of protection	IP65, IP67

Accessories

Supplied Accessories	ST 204 4S
Generical Data	
Dimensions	28mm (front)x 30mm
Operating Temperature	-10°C ÷ +55°C (no condensation)
Humidity	95% (no condensation)
Mechanical Protection	IP65, IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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