

Mounting instruction for Optocoupler 522-...-i and 542-...-i series

Manufacturer: StandexMeder Electronics GmbH, Robert-Bosch-Straße 4, 78224 Singen, Germany

The optoelectronic coupler of the 522-...-i and 542-...-i series serve as galvanic isolation of intrinsically safe and non-intrinsically safe circuits within devices which are installed outside an explosive area.

Either the emitter circuit or the detector circuit can be connected with the intrinsically safe circuit.

Do not exceed the maximum allowable power dissipation of the non-intrinsically safe circuit at an ambient temperature range of -40°C to +85°C. Max power dissipation on the emitter side is 400mW and 600mW on the detector side.

Electrical characteristics (limit values) – Maximum ratings Emitter

Reverse Voltage	5 V
DC Forward Current	75 mA
Power Dissipation	100 mW (at $T_{amb} = 40\text{ °C}$)
Junction Temperature	100 °C

Electrical characteristics (limit values) – Maximum ratings Detector

Collector – Emitter – Voltage	32 V
Emitter – Collector – Voltage	5 V
Power Dissipation	100 mW (at $T_{amb} = 40\text{ °C}$)

Marking

Date code (according to EN 60062 / 2-digit)

Company label

Type description

Short symbol of the inspection authority

Number of the certificate

Type of protection



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