

KLDI
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Manufacturer's declaration

Hinge safety switch TESK...Connector Version 5- and 8-pin

Classification as simple electrical apparatus according to EN 60079-11: 2012.

As simple electrical apparatus within the meaning of intrinsic safety do not represent a potential source of ignition, the Directive 94/9/EC is not applicable.

To demonstrate the intrinsic safety to EN 60079-14, this declaration of the manufacturer therefore can be used.

The Hinge safety switch TESK...Connector Version 5- and 8-pin is classified as simple electrical apparatus and can be used in the zones 1 / 2 and 21 / 22.

When installing the devices, observe the following specifications:

The device must only be connected to a single intrinsically safe apparatus (e.g. SRB 200EXI-..., barrier, isolated switch amplifier).

For using the set of covering caps, please pay attention that the touchable surface of the plastic parts is between 1100 mm² and 1500 mm², when the device is mounted.

The covering caps can be omitted. They are not necessary for the function of the hinge safety switch.

The following specifications must be considered when classifying the device in the intrinsically safe circuit:

- | | |
|-----------------------------|-------------------|
| • Voltage (Ui): | 30 V |
| • Current (Ii): | 8 A |
| • Power (Pi): | 24 W |
| • Connections (Ci): | ≈ 0 |
| • Connections: (Li): | ≈ 0 |
| • Temperature class: | T6 |
| • Ambient temperature: | -25 °C ... +65 °C |
| • Max. surface temperature: | +80 °C |

The intrinsic safety of the overall system according to EN 60079-14 must be declared by the user.

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