	Data sheet	DB 01 Rev. B
	<i>Spark detector FKR, FLR and FT</i>	

Spark switch type FKR:

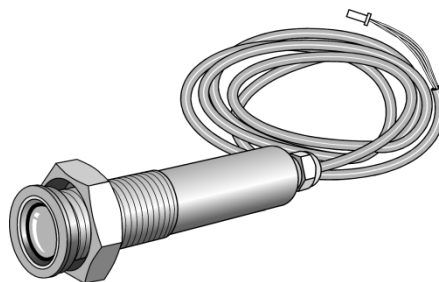
- Includes at least one (FKR 1), maximum two (FKR 2) spark detectors type R-FSK and a terminal box type KK-R.
- Both detectors each have a potential-free contact.
- These detectors are only suitable for installation locations where there is NO ambient light, as they are very sensitive to ambient light.

Spark switch type FLR:

- Includes at least one (FLR 1), maximum two (FLR 2) type R-FSL spark detectors and a type KK-R terminal box.
- Both detectors each have a potential-free contact.
- These detectors are only suitable for installation locations where there is NO ambient light, as they are very sensitive to ambient light.
- The viewing angle is reduced to 60° when using light guides

Spark switch type FTR:

- Includes at least one (FTR 1), maximum two (FTR 2) spark detectors of type R-FST and a terminal box of type KK-R
- Both detectors each have a potential-free contact.
- These detectors are suitable for installation locations where ambient light is present, but where there is no direct sunlight and no reflections from welding or similar.
- The FTR is used in areas where ambient light can occur.
- The FTR detects sparks (glowing particles) even at a lower temperature than the FKR.



Protection class detector :	IP 65
Protection class terminal box:	IP 66
Temperature range (R-FSK and R-FST)	-20°C to 60°C
Temperature range (R-FSL):	-20°C to +300°C
Dimensions FKR:	Cylindrical, Ø30 x 123 mm (with screw connection)
Dimensions FTR:	Cylindrical, Ø30 x 140 mm (with screw connection)
Relay switching capacity:	max. 50mA (potential-free)
Power supply:	24V DC (+25% / -15%), max. 25mA (per detector)
Dimensions of terminal box:	130 x 130 x 75mm (without screw connection)
Contact opening time:	5 seconds
Mounting hole:	40mm (fastening with oval nut + hexagon nut)
Detector thread:	M 30
CE marking:	Available
VdS approval:	Not available



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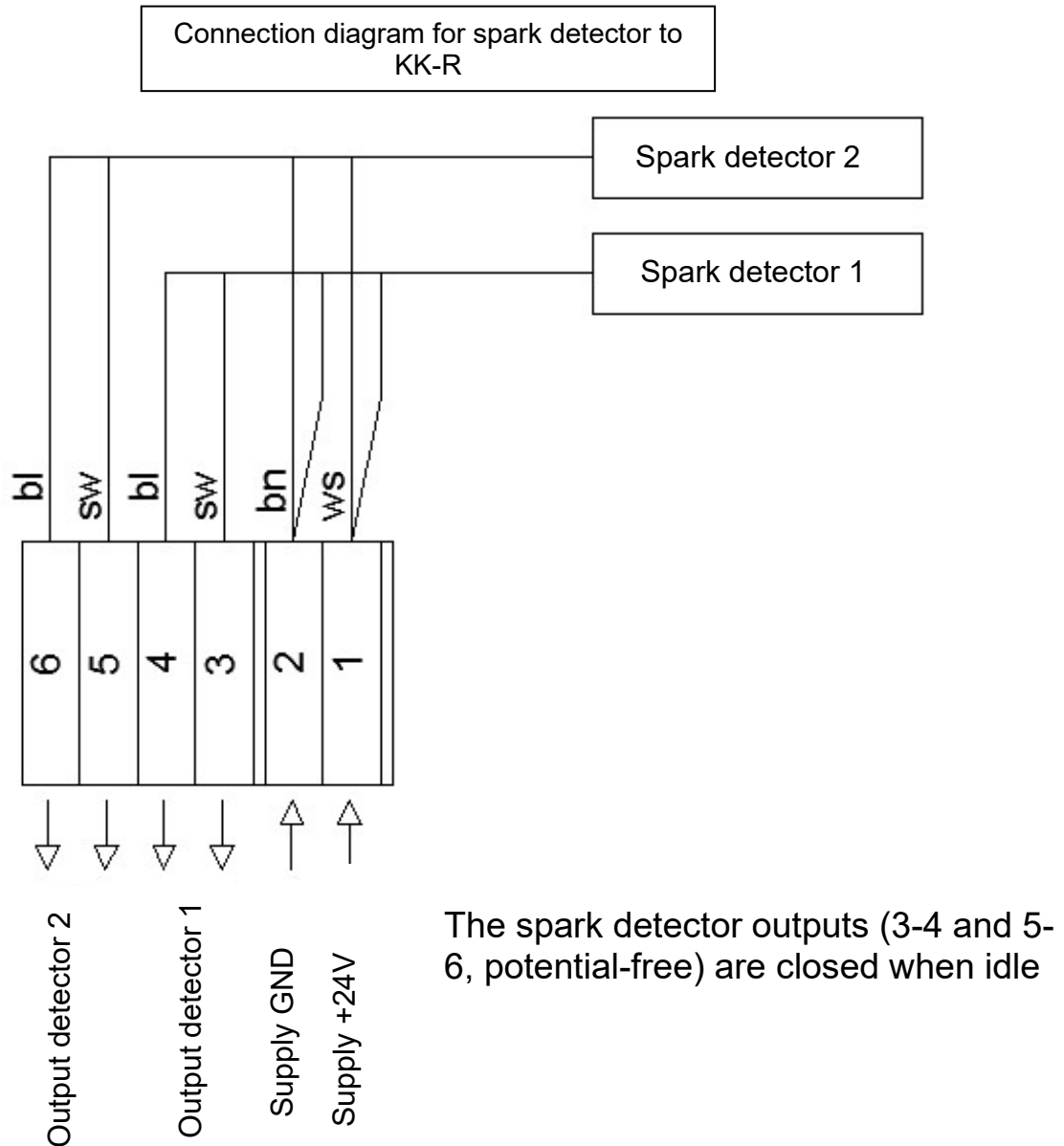
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When sparks are detected, the internal switching contact is opened for 5 seconds.

Attachment:



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