

DCKS Short-circuit Indication Relay for DC

The problem:

Within extensive electrified track systems - such as stations, depots, workshops and yards – it is not always possible to feed each individual branch using dedicated circuit breakers with protection relays.

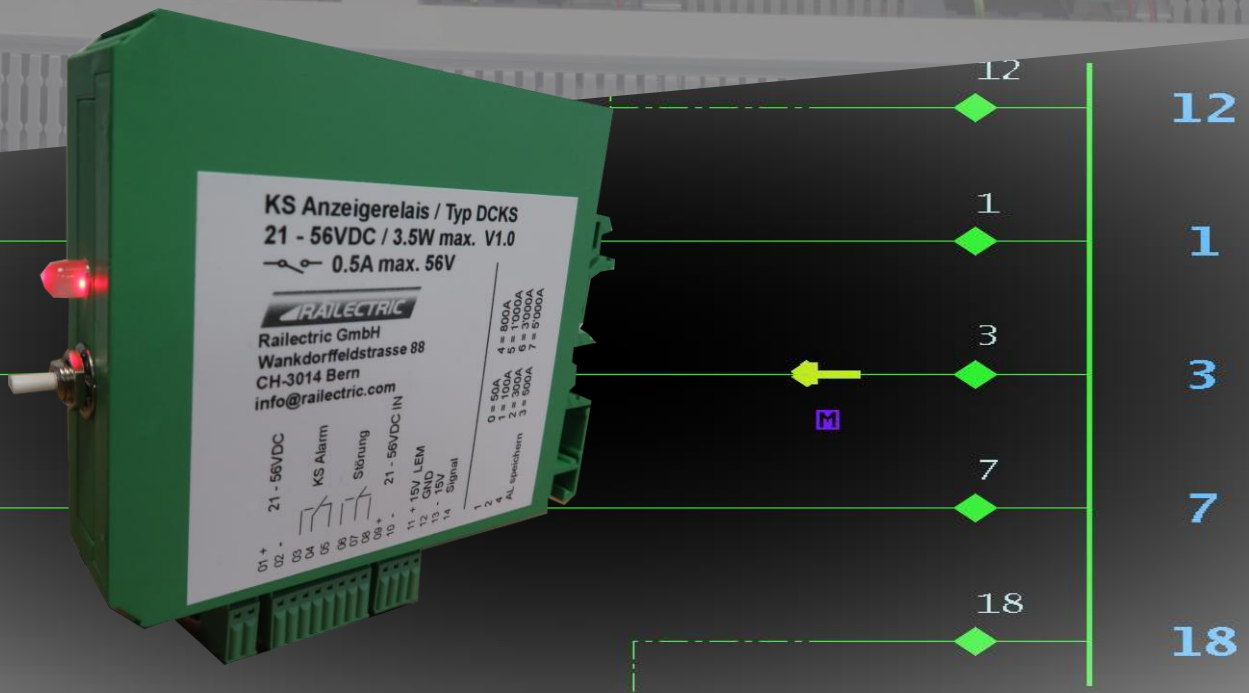
The solution:

The DCKS Relay from Railectric provides efficient and economic detection of the branch affected by the short-circuit. As soon as the affected branch is isolated from the network, the circuit breaker can be re-inserted so that operation can continue in the “healthy” part of the network.

VoraussetzPrerequisite is the fast detection of the short-circuit current. As the short-circuit must be cleared by the upstream DC circuit breaker, the fault current only flows for a very short time. The current sensor and the DCKS Relay are capable of detecting the fault current within a few milliseconds.

Further characteristics of the DCKS Relay are:

- Adjustable trip levels between 50 and 5,000 A
- Short-circuit indication on the relay (LED) or via binary contact
- Local reset after detected short-circuit, or via SCADA
- Supply voltage range 21 to 56 V DC
- The relay supplies the DC current sensor with ± 15 V
- Self-monitoring
- Mountable (clip) to DIN-rail 35 mm
- Option: Supply with suitable DC current sensor (Hall sensor)

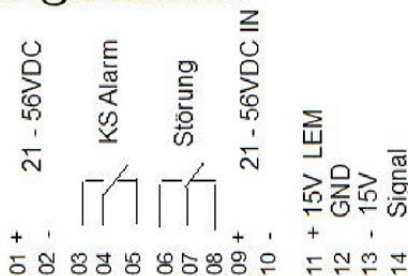


Technical Data:

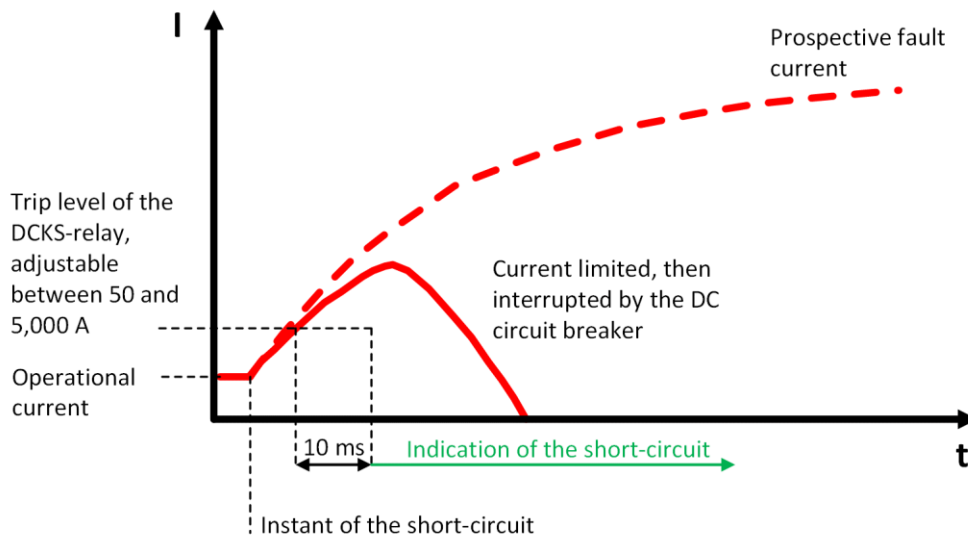
KS Anzeigerelais / Typ DCKS
21 - 56VDC / 3.5W max. V1.0
 **0.5A max. 56V**



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1	0 = 50A	4 = 800A
2	1 = 100A	5 = 1'000A
4	2 = 300A	6 = 3'000A
AL speichern	3 = 500A	7 = 5'000A



Further information:

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