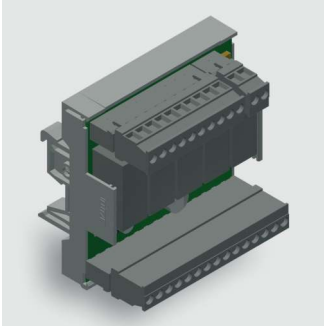


Technical data sheet

Interface Technology · BASF Relay Module



Identification

Type	KRK-S5 VERS.4BASF
Part No.	716395

Product version

Datasheet version	01
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Description

Description	Customized relay module for separating the load and control circuit. The relays 1 –3 require an input voltage of DC 24 V. Relay 2 only switches for an impulse of approx. 270 ms. There is a commutator bridge circuit installed upstream of the safety miniature switching relay (relay 4). Optionally, the relays can be controlled with AC/DC 24 V.
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Input

Rated voltage U_N	Relay 1–3: DC 24 V Relay 4: AC/DC 24 V Relay 5: AC 230 V
Input voltage	Relay 1–3: DC 21.6 V – 26.4 V Relay 4: AC/DC 21,6 V – 26,4 V Relay 5: AC 217 V – 230 V
Status display input	Relay 1–3: LED green Relay 4: LED green Relay 5: LED orange
Activation voltage	Relay 1, 3: <15 V Relay 2: <7 V Relay 4: <15 V Relay 5: <117 V

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20.06.2022 • Subject to technical modification

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Technical data sheet

Interface Technology · BASF Relay Module

Interrupting voltage	Relay 1, 3: >4.9 V Relay 4: >6.1 V Relay 5: >107 V
Leak current	>4 mA

Output

Min. switching voltage	AC/DC 1 V
Max. switching voltage	AC/DC 250 V
Max. switching current	10 A
Max. switching capacity	1250 VA / 75 – 200 W (see Load limit curve)
Contact material	AgNi
Switch-on delay	Relay 1: approx. 40 ms Relay 2: approx. 40 ms Relay 3: approx. 100 ms Relay 4: approx. 40 ms Relay 5: approx. 25 ms
Shutdown delay	Relay 1: approx. 125 ms Relay 3: approx. 580 ms Relay 4: approx. 110 ms Relay 5: approx. 30 ms

General

Degree of protection	IP20
Mounting	DIN rail mounting
Installation position	Any
Clearance/creepage dist. (control/ load side)	<8 mm
Rated insulation voltage (EN 50178)	DC 500V
High voltage	AC 4 kV
Connection type	Screw connection with tension sleeve 0,20 mm ² – 2,5 mm ² AWG 24 – AWG 12 Strip length: 7 mm torque 0.5 – 0.6 Nm
Dimensions (w × h × d)	77.5 mm × 78.3 mm × 55.5 mm
Weight/unit	0.27 kg

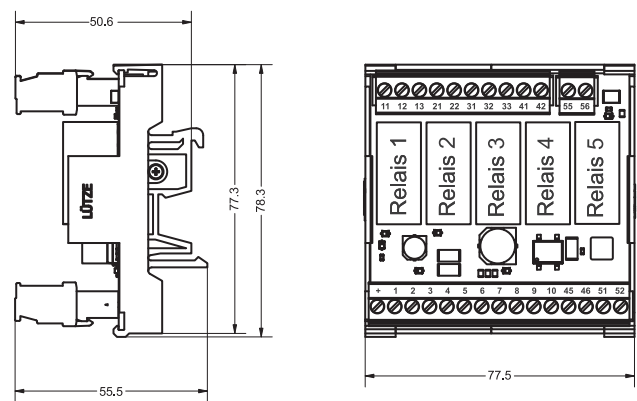
General ambient conditions

Operation temperature range	-40 °C ... +70 °C
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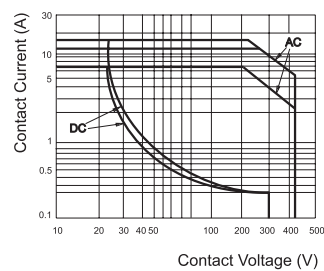
Certifications/Standards

Standards	EN 60947-1 EN 60947-5-1 EN 61000-6-2 EN 61000-6-4 UL 508 DNVGL-CG-0339
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Dimensions



Load limit curve



Circuit diagram

