



<b>Identification</b>	Type Part-No.	LCIS-SR-DC-2L-200091-S 763020.0091
<b>Description</b>	Semiconductor relay, 2-conductor technology Switching element DC 24 V / DC 0,5 A / 20 kHz	
<b>Input</b>	Rated voltage $U_N$ DC 24 V Input voltage range DC 19.2 – 30 V Rated current $I_N$ +A1: DC 12 mA / +A3: DC 0.7 mA Interrupting voltage <2.7 V Protection device Varistor Reverse diode Status display input LED green Activation voltage >4.2 V	
<b>Output</b>	Switching element Transistor Min. switching voltage DC 5 V Max. switching voltage DC 31.2 V Min. switching current DC 10 mA Max. switching current DC 0.5 A @ 100 % ED	

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## Technical data sheet · Interface Technology

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Derating	DC - Operation: no Derating DC 0.5 A @ $\leq$ DC 24 V $\leq$ 10 kHz DC 0.2 A @ $\leq$ DC 24 V $\leq$ 20 kHz
Inrush current	2.5 A/20 ms @ 1 Hz
Leak current	<10 $\mu$ A
Switch-on delay	<15 $\mu$ s @ $I_{max}$ , $U_N$
Shutdown delay	<20 $\mu$ s @ $I_{max}$ , $U_N$
Clearance/creep. dist. (control/load side)	>5.5 mm
Protection device	Suppressor diode
Short circuit	non short-circuit proof
Switching frequency	max. 20 Hz

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### General

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Housing material	PA 6.6 (UL 94 V-0)
Colour of the housing	RAL 7012 basalt grey
Protection class	IP20
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	any
Insulation voltage input / output	3.75 kV <sub>eff</sub>
Safe isolation	yes
Operation temperature range	-25 °C ... +70 °C
Storage temperature range	-40 °C ... +80 °C
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm
Weight	0.030 kg/piece
Connection device	Screw terminal single wire 0.25 mm <sup>2</sup> –2.5 mm <sup>2</sup> / AWG 20–14 fine stranded wire with ferrule 0.25 mm <sup>2</sup> –1.5 mm <sup>2</sup> / AWG 20–16
Standards	EN 60947-5-1
Approvals	cULus in preparation DNV GL in preparation

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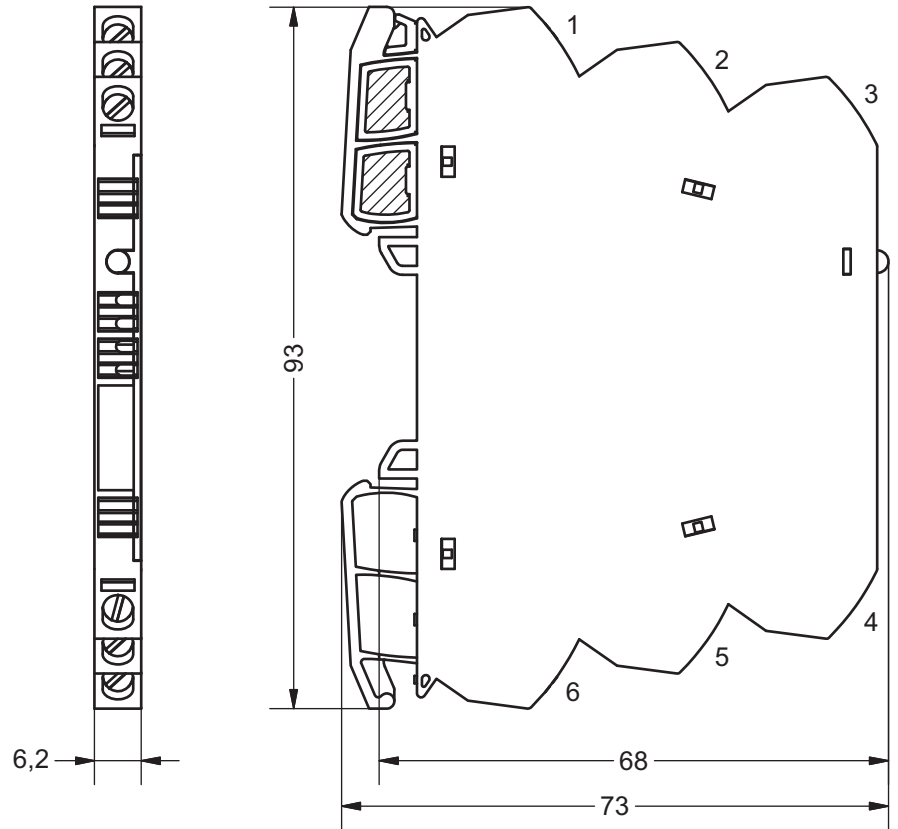
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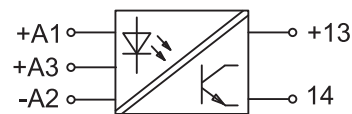


SYSTEMATIC TECHNOLOGY

**Dimensions**



**PIN assignment**



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