



<b>Identification</b>	Type Part-No.	LCIS-SRKF-DC-3L-202340-PI 764020.2340
<b>Description</b>	Semiconductor relay, 3-conductor technology Switching element DC 24 V / DC 10 A	
<b>Input</b>		
Rated voltage $U_N$	DC 24 V	
Input voltage range	DC 19.2 – 30 V	
Rated current $I_N$	DC 6.5 mA	
Interrupting voltage	<5 V	
Protection device	Varistor Reverse diode	
Status display input	LED green	
Activation voltage	>15 V	
<b>Output</b>		
Switching element	MosFet	
Min. switching voltage	DC 10 V	
Max. switching voltage	DC 30 V	
Min. switching current	DC 1 mA	
Max. switching current	DC 10 A @ 100 % ED	

25.08.2017 – Subject to technical modification

Part-No. 764020.2340

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## Technical data sheet · Interface Technology

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Derating	dependence of assembly installed with $\geq 20$ mm: no derating installed without distance: $\leq 60$ °C: max DC 10 A $> 60$ °C: $-50 \text{ mA}/^\circ\text{C}$
Inrush current	50 A/20 ms @ 1 Hz
Leak current	$< 100 \mu\text{A}$
Switch-on delay	$< 0.2 \text{ ms @ } I_{\text{max}}$
Shutdown delay	$< 0.4 \text{ ms @ } I_{\text{max}}$
Clearance/creep. dist. (control/load side)	$> 5.5 \text{ mm}$
Protection device	Suppressor diode
Short circuit	short circuit protection
Switching frequency	50 Hz (Derating)

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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	4.0 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	Push-In 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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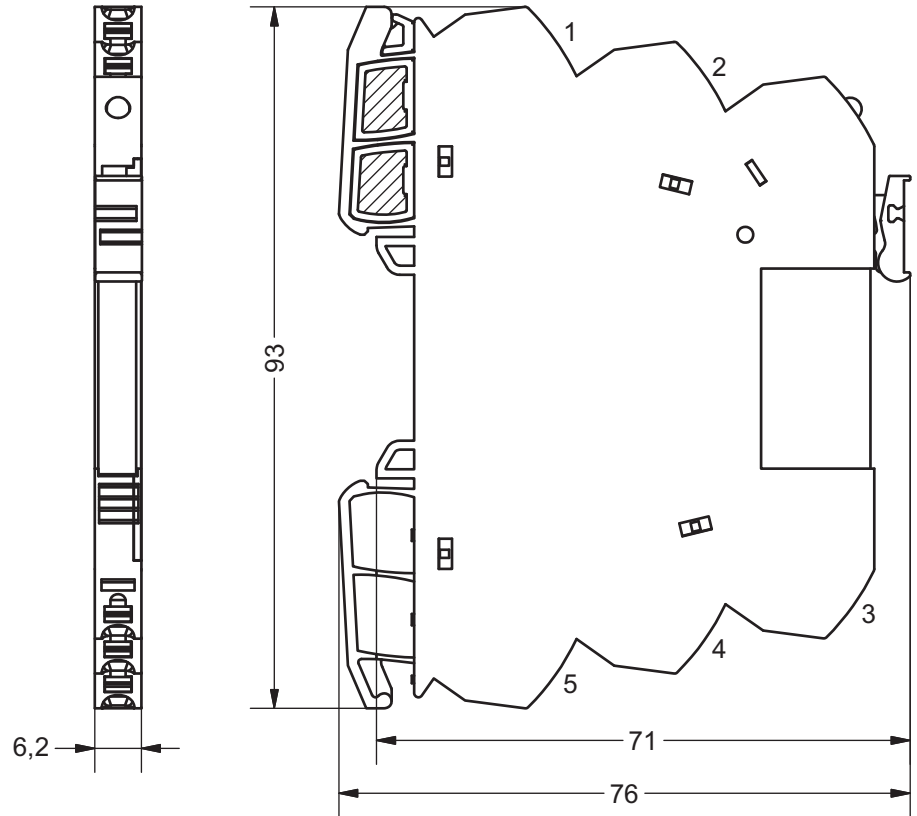
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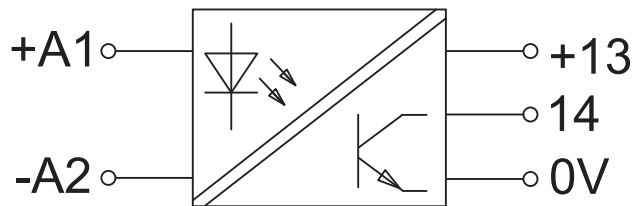


SYSTEMATIC TECHNOLOGY

**Dimensions**



**PIN assignment**



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