

Technical data sheet - Interface Technology

LCIS Solid State Relay



Identification	Type Part-No.	LCIS-SR-DC/UC-2L-200500-PI 764020.0500
Description	Solid state relay, 2-conductor technology Switching element AC/DC 240 V / 2A	
Input	Rated voltage U_N DC 24 V Input voltage range DC 16.8 V – 30 V Rated current I_N DC 9 mA Protection device Input Varistor Reverse diode Status display input LED green Activation voltage >16.8 V Interrupting voltage <10 V	
Output	Switching element MosFet N/O contact Min. switching voltage AC/DC 2 V Max. switching voltage AC/DC 253 V Min. switching current AC/DC 1 mA Max. switching current AC/DC 2 A @ 100 % ED	

29.03.2019 – Subject to technical modification

Part-No. 764020.0500

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Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: ≤ 60 °C: max DC 2 A > 60 °C: -25 mA/°C
Inrush current	10 A/20 ms @ 1 Hz
Leak current	AC: < 0.2 mA, DC: < 1 μ A
Switch-on delay	< 150 μ s @ I_{max}
Shutdown delay	< 100 μ s @ I_{max}
Protection device	Varistor
Short circuit	non short-circuit proof
Switching frequency	500 Hz

General

Housing material	PA 6.6 (UL 94 V-0)
Color 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 _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/load side)	> 5.5 mm
Operation temperature range	-25 °C ... $+60$ °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 ² –2.5 mm ² / AWG 20–14 fine stranded wire with ferrule 0.25 mm ² –1.5 mm ² / AWG 20–16
Standards	EN 60947-5-1
Approvals	cULus in preparation DNV GL in preparation

Comments Inductive loads must be wired with a suitable suppressor element!

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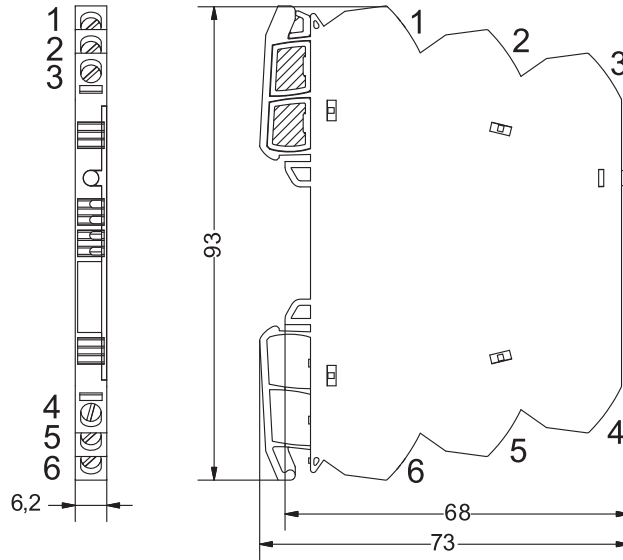
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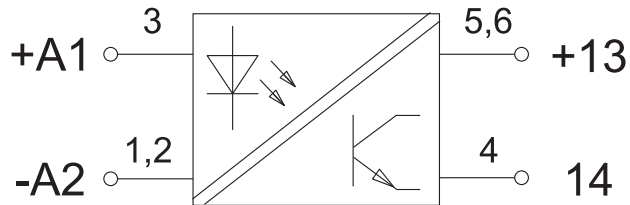
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Dimensions



PIN assignment



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