

Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element AC/DC 240 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC/UC-2L-200500-S
Part No.	763020.0500

Product version

Hardware revision	1.0
Datasheet version	04

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

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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: $< 1 \mu\text{A}$
Switch-on delay	$< 150 \mu\text{s}$ @ I_{max}
Shutdown delay	$< 100 \mu\text{s}$ @ I_{max}
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	500 Hz
Degree of protection	IP20
Comments	Inductive loads must be wired with a suitable suppressor element!

General

Housing material	PA 6.6 (UL 94 V-0)
Color of the housing	RAL 7012 Basalt grey
Degree of protection	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
Connection type	Screw terminal Single wire $0.25 \text{ mm}^2 - 2.5 \text{ mm}^2$ / AWG 24–14 Fine stranded wire with ferrule $0.25 \text{ mm}^2 - 1.5 \text{ mm}^2$ / AWG 24–16
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 73.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +80 °C
Over voltage category	III
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6

Certifications/Standards

Conformity	CE UKCA
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Certifications

cULus (E135145)
DNV (TAA000024Y)

Standards

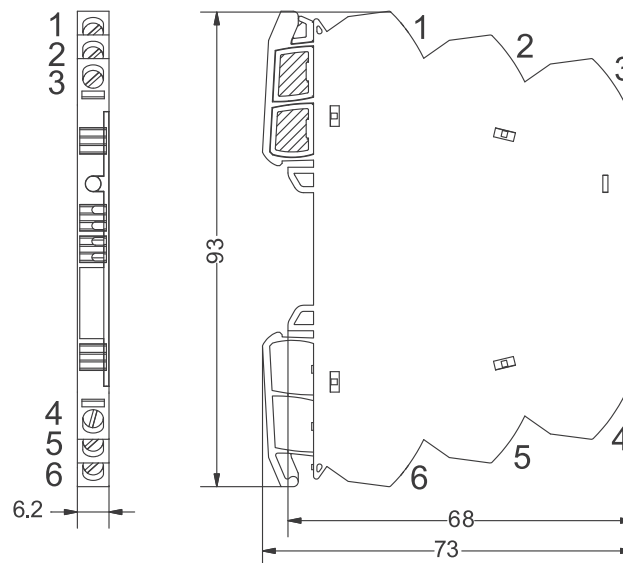
EN 60947-1
EN 60947-5-1
EN 61000-6-2
EN 61000-6-4
UL 508
DNV-CG-0339

Notes and Comments

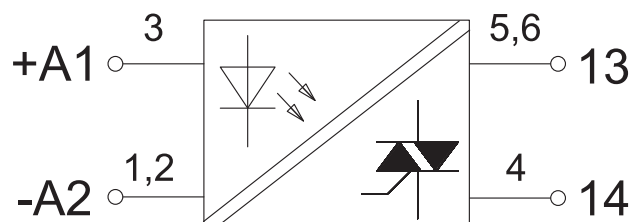
Comments

Inductive loads must be wired with a suitable suppressor element!

Dimensions



PIN assignment



Use

