

Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology

Switching element max. DC 60 V / 0,5 A, DC 60 V / 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SR-DC-2L-200120-S
Part No.	763020.0120

Product version

Hardware revision	1.0
Datasheet version	04

Input

Rated voltage U_N	DC 24 V
Load	DC 60 V / 2 A
Input voltage range	11 V – 30 V
Rated current I_N	>4 mA
Protection device Input	Varistor
Status display input	LED green

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	1 mA
Max. switching current	2 A
Inrush current	10 A/20 ms @ 1 Hz
Leak current	<10 μ A
Switch-on delay	<400 μ s

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)
www.luetze.de • info@luetze.de

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Shutdown delay	<2 ms
Protection device	Varistor
Short circuit	Non short-circuit proof
Switching frequency	Max. 50 Hz
Degree of protection	IP20

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 mm
Connection type	Screw terminal Single wire 0.25 mm ² – 2.5 mm ² / AWG 24–14 Fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² / AWG 24–16
Strip length	6 mm
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
Relative air humidity	20 – 90 % RH, not condensing
Vibration resistance	0.7 g acc. to EN 60068-2-6
Shock resistance	15 g acc. EN 60068-2-27

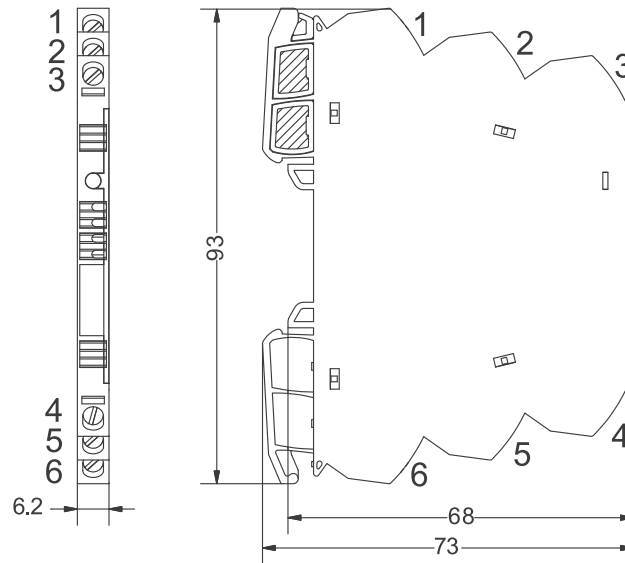
Certifications/Standards

Conformity	CE UKCA
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

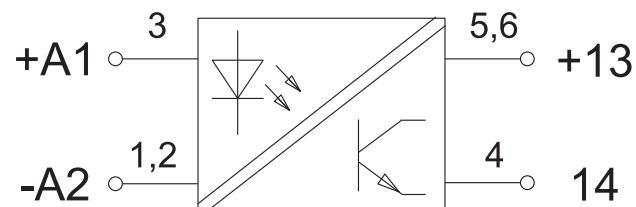
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Dimensions



PIN assignment



Use

