

Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element DC 30 V / DC 3 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-DC-2L-201020-S
Part No.	763020.1020

Product version

Hardware revision	1.0
Datasheet version	02

Input

Rated voltage U_N	DC 24 V
Input voltage range	DC 19.2 V – 30 V
Rated current I_N	DC 11.3 mA
Protection device Input	Varistor Bridge rectifier
Status display input	LED green
Activation voltage	>16.8 V
Interrupting voltage	<9.4 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 60 V
Min. switching current	DC 1 mA
Max. switching current	DC 5 A @ 100 % ED
Leak current	<1 mA

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Part No. [763020.1020](#) • Datasheet version: 02

page 1 of 4

Technical data sheet

Interface Technology · LCIS Solid State Relay

Switch-on delay	<150 µs
Shutdown delay	<600 µs
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	10 Hz
Degree of protection	IP20
Comments	The relative duty cycle (ED) is the ratio of duty cycle to cycle time, usually given as a percentage. 100% ED corresponds to continuous duty, i.e. the solenoid can remain switched on indefinitely.

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	2.5 kV _{eff}
Safe isolation	yes
Clearance/creepage dist. (control/ load side)	>5.5 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
Dimensions (w × h × d)	6.2 mm × 93.0 mm × 76.0 mm
Weight/unit	0.03 kg
PU (units)	5

General ambient conditions

Operation temperature range	-25 °C ... +60 °C
Storage temperature range	-25 °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)

Technical data sheet

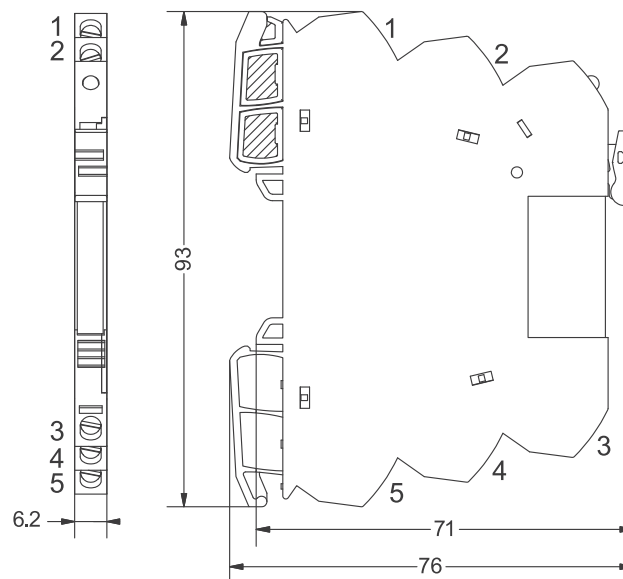
Interface Technology · LCIS Solid State Relay

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

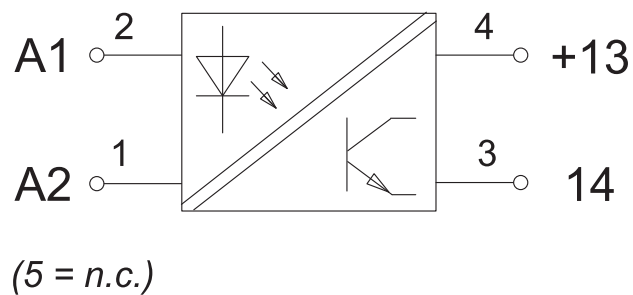
Notes and Comments

Comments	The relative duty cycle (ED) is the ratio of duty cycle to cycle time, usually given as a percentage. 100% ED corresponds to continuous duty, i.e. the solenoid can remain switched on indefinitely.
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Dimensions



PIN assignment



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Use

