

Technical data sheet

Interface Technology · LCIS Solid State Relay

Solid state relay, 2-conductor technology, pluggable

Switching element DC 30 V / DC 2 A

Screw terminal / Push-In



Identification

Type	LCIS-SRS-AC/DC-2L-701020-PI
Part No.	764070.1020

Product version

Hardware revision	1.0
Datasheet version	03

Input

Rated voltage U_N	AC 230 V
Input voltage range	AC 184 V – 253 V
Rated frequency f_N	50 Hz / 60 Hz
Rated current I_N	AC 3.3 mA
Protection device Input	Bridge rectifier
Status display input	LED green
Interrupting voltage	<AC 80 V

Output

Switching element	MOSFET N/O contact
Min. switching voltage	DC 10 V
Max. switching voltage	DC 30 V
Min. switching current	DC 1 mA
Max. switching current	DC 2A

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Technical data sheet

Interface Technology · LCIS Solid State Relay

Derating	dependence of assembly installed with ≥ 20 mm: no derating installed without distance: max. DC 2 A @ +40 °C >40 °C: linear and dropping to 0 A -0.2 A/°C @ $U_{\text{ein}} = \text{AC } 253 \text{ V}$ -0.1 A/°C @ $U_{\text{ein}} = \text{AC } 230 \text{ V}$
Leak current	<DC 1 mA
Switch-on delay	6 ms (@DC)
Shutdown delay	15 ms (@DC)
Protection device	Suppressor diode
Short circuit	Non short-circuit proof
Switching frequency	10 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	2.5 kV _{eff}
Safe isolation	no
Clearance/creepage dist. (control/ load side)	>5.5 mm
Connection type	Push-In 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	-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)

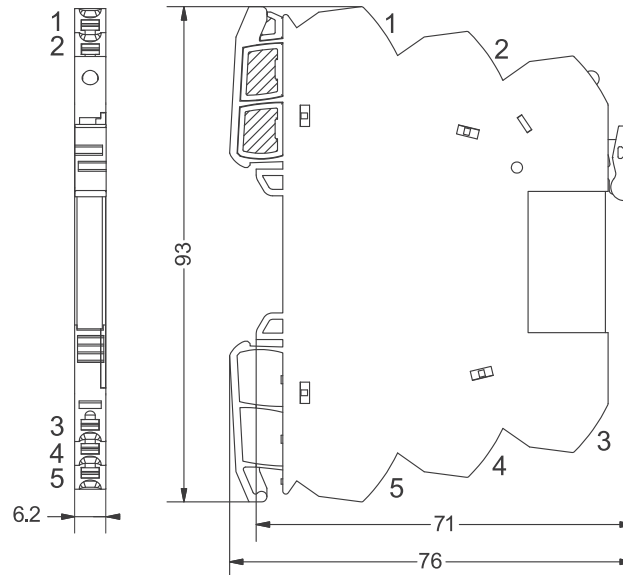
Technical data sheet

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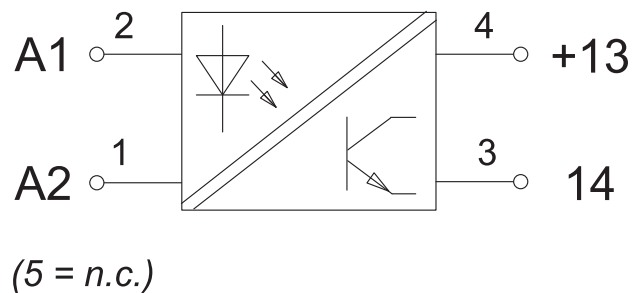
Standards

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

Dimensions



PIN assignment



Use

