

SLI-relays for mA size loads: DC-control, DC-load

- Galvanic isolation 4 kV, 8 mm creep distance
- Effective interference elimination
- Compatible with NPN/PNP logic
- LED indication



General description

The relays are used as an interface between DC sensors and control systems. The integrated interference protection provides reliable operation even in very demanding electrical environments. Thanks to interference protection, signal cables can be run alongside power cables on, for example, cable racks for more

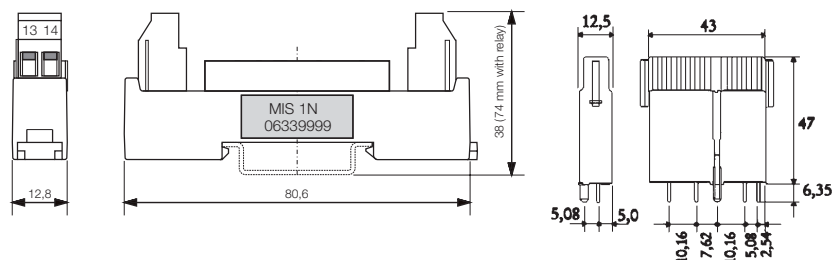
than 1.5 km without capacitive cross-talk affecting relays. The relays have no mechanical parts, which provides very reliable application. If high frequencies occur from sensors for counting inputs, for example, we recommend SLI24CRF.

Technical data

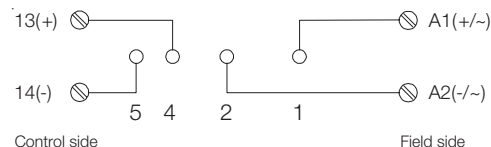
(Values at +25 °C)

PRIMARY CIRCUIT		SLI12CR	SLI24CR	SLI24CRF	SLI48CR	SLI125CR	SLI250CR
Input voltage	nom.	12 V DC	24 V DC	24 V DC	48 V DC	125 V DC	250 V DC
Input voltage	max.	18 V DC	32 V DC	32 V DC	70 V DC	140 V DC	265 V DC
Power consumption	max.	7.5 mA	7 mA	8 mA	7 mA	4.2 mA	4 mA
Input impedance	typical	1.8 kΩ	4 kΩ	4 kΩ	8 kΩ	31 kΩ	68 kΩ
Activation voltage	typical	7.5 V DC	16 V DC	16 V DC	36 V DC	80 V DC	170 V DC
Drop-out voltage	typical	6 V DC	14 V DC	14 V DC	26 V DC	60 V DC	110 V DC
SECONDARY CIRCUIT							
Load voltage	max.	0-60 V DC	0-60 V DC	0-60 V DC	0-60 V DC	0-60 V DC	0-60 V DC
Voltage drop at max. load	typical	0.2 V DC	0.2 V DC	0.2 V DC	0.2 V DC	0.2 V DC	0.2 V DC
Load current	max.	50 mA	50 mA	50 mA	50 mA	50 mA	50 mA
Activation time	typical	0.3 ms	0.3 ms	5 μs	0.3 ms	0.5 ms	0.5 ms
Drop-out time	typical	0.3 ms	0.5 ms	20 μs	0.5 ms	0.5 ms	0.5 ms
Operating temperature		-25 °C to +70 °C					

Dimensions



Connections



Ordering guide

Part number	Description	Input	Output	Mounting
SLI12CR	Input relay	12 V DC	0-60 V DC/50 mA	Plug-in
SLI24CR	Input relay	24 V DC	0-60 V DC/50 mA	Plug-in
SLI24CRF	Input relay, high frequency 10 kHz.	24 V DC	0-60 V DC/50 mA	Plug-in
SLI48CR	Input relay	48 V DC	0-60 V DC/50 mA	Plug-in
SLI125CR	Input relay	125 V DC	0-60 V DC/50 mA	Plug-in
SLI250CR	Input relay	250 V DC	0-60 V DC/50 mA	Plug-in
MIS1GN	Socket for input relays. Standard			DIN rail
JUMPER 16-13	Jumper bar for Delcon's sockets, max. 16/bar.			

N/C relays also available upon request.

