

CONTROLS

Relays

Force-Guided Relays and Sockets



No. 2LCL1



No. 2LCL6

- Conform to EN standards (EN50205 Class A, approved by VDE)
 - UL Listed and CSA Certified
- Compact relays with force-guided contacts help avoid hazardous machine status when used as

part of an interlock circuit. Designed for use where it is necessary to monitor relay contacts for safety purposes and to support the CE marking of machinery. Reinforced insulation between inputs and outputs. Terminal arrangement simplifies PCB pattern.

Pins	Contact Form	Contact Amp Rating (R)	Suggested Socket	Coil Volts	Dimensions (In.) H W	Response Time	Mfr. Model	Item No.	\$ Each
Forced Guided Relay									
10	2NO/2NC	6	2LCL6 or 2LCL7	24	1.57 0.51	10mSec	G7SA-2A2B DC24	2LCL1	✓ 57.15
10	3NO/1NC	6	2LCL6 or 2LCL7	24	1.57 0.51	10mSec	G7SA-3A1B DC24	2LCL2	✓ 57.15
14	3NO/3NC	6	2LCL8 or 2LCL9	24	1.96 0.51	10mSec	G7SA-3A3B DC24	2LCL3	✓ 76.15
14	4NO/2NC	6	2LCL8 or 2LCL9	24	1.96 0.51	10mSec	G7SA-4A2B DC24	2LCL4	✓ 76.15
14	5NO/1NC	6	2LCL8 or 2LCL9	24	1.96 0.51	10mSec	G7SA-5A1B DC24	2LCL5	✓ 76.15
No. of Pins	Mounting	Terminals	Voltage	Amps	Dimensions (In.) L W D	Mfr. Model	Item No.	\$ Each	
Force Guided Relay Sockets									
10	DIN Rail	Screw	24	6	3.54 0.88 2.38	P7SA-10F	2LCL6	55.20	
10	DIN Rail	Screw	24	6	3.54 0.88 2.38	P7SA-10F-ND DC24	2LCL7	* 46.70	
14	DIN Rail	Screw	24	6	3.54 1.18 2.38	P7SA-14F	2LCL8	57.25	
14	DIN Rail	Screw	24	6	3.54 1.18 2.38	P7SA-14F-ND DC24	2LCL9	*✓ 63.65	

(*) LED Indicators.

Safety Monitoring Relays



No. 2LCN1

- Environmental protection: IP20
 - UL Listed, CE Certified, and CSA Certified
- Relays monitor the function of safety inputs and outputs to create control reliable circuits. They are used in conjunction with safety interlock switches and similar guarding devices. Nos. 2LCN1 and 2LCN2 have 2 input channels that accept 2 NC or PNP inputs from a solid state monitoring device.

EXPANSION UNIT

Easily provides additional outputs for circuits. DIN mounting or with screws.

Type	Input Power	Power Consumption	Input Current	Output Configuration	Contact Load Rating	Response Time	Mounting	Dimensions (In.) W H D	Mfr. Model	Item No.	\$ Each
Safety Monitoring	24VAC/DC	1.8VA	40mA	3NO+1NC Aux.	5A	10mSec	35mm DIN	1.7 3 4.3	G9SA-301 AC/DC24	2LCN1	✓ 268.25
Safety Monitoring	100-240VAC	9VA	40mA	3NO+1NC Aux.	5A	10mSec	35mm DIN	1.7 3 4.3	G9SA-301 AC100-240	2LCN2	✓ 360.25
Expansion Unit	—	—	—	3NO+1NC Aux.	5A	10mSec	35mm DIN	0.7 3 4.3	G9SA-EX301	2LCN3	✓ 221.50

Solid-State Output Time-Delay Relays

Solid-state technology provides a long service life, reducing maintenance costs and production loss due to downtime. 1/4" quick-connect.



No. 2A559



No. 1TZX4



No. 6A857



No. 5JJ47



No. 5JJ48



No. of Pins	Contact Form	Contact Amp Rating (Resistive)	Coil Volts	Timing Range (Seconds) Min. Max.	Function Code (See Page 295)	Brand	Mfr. Model	Item No.	\$ Each
On Delay Solid State Timers									
2	1NO	1	120VAC	0.05 1	1	Dayton	—	2A559	25.10
2	1NO	1	120VAC	0.25 5	1	Dayton	—	2A560	25.10
2	1NO	1	120VAC	0.5 10	1	Dayton	—	2A561	25.10
2	1NO	1	120VAC	3 60	1	Dayton	—	2A562	25.10
2	1NO	0.7	110 VAC/DC	0.1 1	1	Crouzet	QASP1S110A	1TZX4	34.90
2	1NO	0.7	110 VAC/DC	0.5 5	1	Crouzet	QASP5S110A	1TZX5	34.90
2	1NO	0.7	110 VAC/DC	0.6 60	1	Crouzet	QASP60S110A	1TZX7	34.90
2	1NO	0.7	110VAC	3 300	2	Crouzet	QASP300S110A	1TZY4	34.90
Off Delay Solid State Timers									
5	1NO	1	120VAC	0.5 10	2	Dayton	—	6A857	31.10
5	1NO	1	120VAC	3 60	2	Dayton	—	6A858	31.10
5	1NO	1	120VAC	15 300	2	Dayton	—	6A859	31.10
4	1NO	0.7	24-240VAC	0.1 100 Min.	1,2,4,5,6	SSAC	ASQUA3	5JJ47	✓ 57.90
4	1NO	0.7	110VAC	0.1 10	2	Crouzet	QCSP10S110A	1TZY2	43.05
4	1NO	0.7	110VAC	0.6 60	2	Crouzet	QCSP60S110A	1TZY3	43.05
Repeat Cycle/Universal Flasher									
3	1NO	10	24-240VAC	0.6 6	6	SSAC	FSU1004	5JJ48	✓ 55.65