

# Solid State Relay

## ASR-SL Series Single Phase DC Output



- MOSFET Output
- Control Voltage: 3-10VDC, 10-28VDC
- Load Voltage: 60VDC, 100VDC, 200VDC, 400VDC
- Load Current: 20A
- Dielectric Strength: 2500Vrms
- RoHS Compliant

ASR	—	SL	60	D	20	E
	Packing: - : Bulk Packing A-Z	ASR-SL Series	Load Voltage 60:60VDC 100:100VDC 200:200VDC 400:400VDC	Control Voltage D:DC Control	Load Current 3:3Amp 5:5Amp 10:10Amp 20:20Amp	Control Voltage E:3-10VDC G:10-28VDC

NOTE: PART NUMBERS ARE AS FOLLOWS			
3A	5A	10A	20A
ASR-SL400D3E	ASR-SL200D5E	ASR-SL100D10E	ASR-SL60D20E
ASR-SL400D3G	ASR-SL200D5G	ASR-SL100D10G	ASR-SL60D20G

### Technical Specification

INPUT CIRCUIT(TA=25°C)		
Control Voltage Range	E	3-10VDC
	G	10-28VDC
Maximum Turn-on Time	E	3VDC
	G	10VDC
Must Turn-Off Voltage		1VDC
		25mA

# Solid State Relay

## ASR-SL Series Single Phase DC Output

OUTPUT CIRCUIT(TA=25°C)		
Load Voltage Range	60VDC	0-60VDC
	100VDC	0-100VDC
	200VDC	0-200VDC
	400VDC	0-400VDC
Maximum Transient Overvoltage	60VDC	60Vpk
	100VDC	100Vpk
	200VDC	200Vpk
	400VDC	400Vpk
Maximum 1 Cycle Surge Current (50Hz)	3A	15A
	5A	25A
	10A	50A
	20A	100A
Maximum Turn-On Time		6ms
Maximum Turn-Off Time		1ms
Maximum Off-State Leakage Current [@ Rated Voltage]		0.1mA
Maximum On-State Resistance	3A	375mΩ
	5A	150mΩ
	10A	38mΩ
	20A	10mΩ
GENERAL INFORMATION (TA=25°C)		
Dielectric Strength, Input/Output (50/60Hz)		2500Vrms
Insulation Resistance(@500VDC)		1000MΩ
Ambient Temperature Range		-30°C +80°C
Storage Temperature Range		-30°Cv +100°C
Weight (typical)		20g

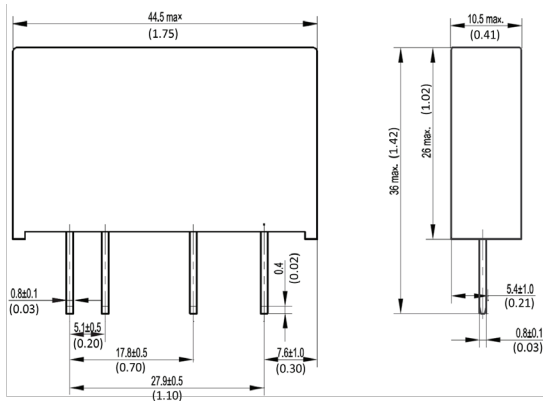
# Solid State Relay

## ASR-SL Series Single Phase DC Output

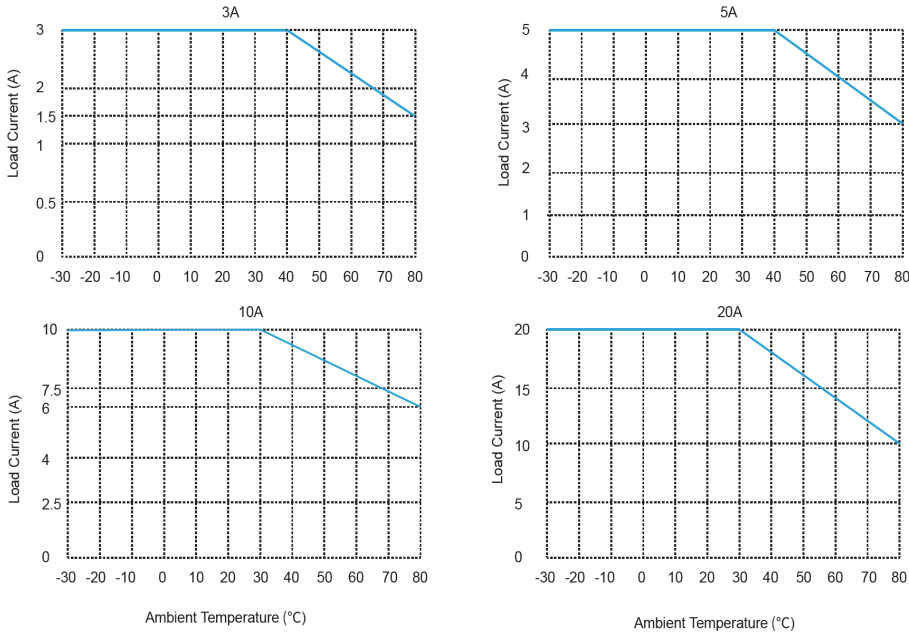
### Application Note:

Suitable for DC motors, DC power supplies, electro-mechanical devices, and etc.

### Dimensions



### Thermal Curve



### Important Notice

1. Soldering must be finished within 10 seconds at 260°C, or finished within 5 seconds at 350°C. Otherwise it may cause damage to the relay.
2. Terminal polarity must be observed. Otherwise it may cause damage to the relay.
3. When ambient temperature is above 25°C, the maximum load current decreases. See thermal derating curve.

1741 Industrial Drive, No. 14 • Sterling, IL 61081  
 Tel: 815-632-3150 • Fax: 815-632-3449  
 www.altranmagnetics.com • sales@altranmagnetics.com

