IMO Automotive Power Relay SRL

- Low profile, light weight
- Flux tight, fully sealed and open type versions available
- 15A/14VDC rating
- Single and twin relay versions

Options and ordering codes

SRL **T** – **1C** – **F** – **12VDC**

- SRL — Type
- T — Twin relay; (blank) — Single relay
- 1C — Contact form:
  - 1A: SPNO
  - 1B: SPNC
  - 1C: SPDT
  - 1DM: SPDM
  - 1DB: SPDB
  - 1DMB: 1DM-DB: SPDM-DB
- F — Sealing:
  - (blank): Blank: Open type
  - F: F: Flux tight
  - S: S: Fully sealed
- 12VDC — Coil voltage

Contact rating

Contact form	1A	1B	1C	1DM	1DB	1DM-DB
Maximum switching power	210W	140W	210W/140W	140W	98W	140W/98W
Maximum switching voltage	30VDC					
Maximum switching/carry current	15A	10A	NO:15A/NC:10A	10A	7A	NO:10A/NC:7A

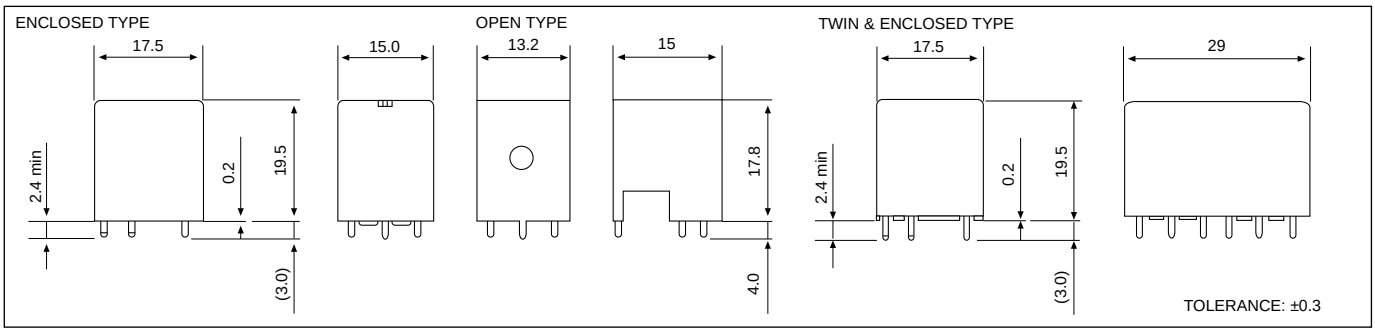
Specifications

Contact material		AgSnInO
Initial contact resistance		50mΩ Max
Operate time		4ms Max (at rated voltage)
Release time		2ms Max (at rated voltage)
Nominal operating power		Approx. 1.1W
Insulation resistance		50MΩ at 500VDC
Breakdown voltage	**Between coil and contacts**	500VAC (for 1 minute)
	Between open contacts	500VAC (for 1 minute)
Vibration resistance	**Operating extremes**	10~50Hz, amplitude 1.5mm
Shock resistance	**Operating extremes**	10G, 11ms, half sine wave
Ambient temperature		-40~+85˚C
Life expectancy	**Mechanical**	10 x 10^6 operations (frequency 18,000 operations/hour)
	Electrical (at max load)	1 x 10^5 operations (frequency 1,800 operations/hour)
Weight		17.5g

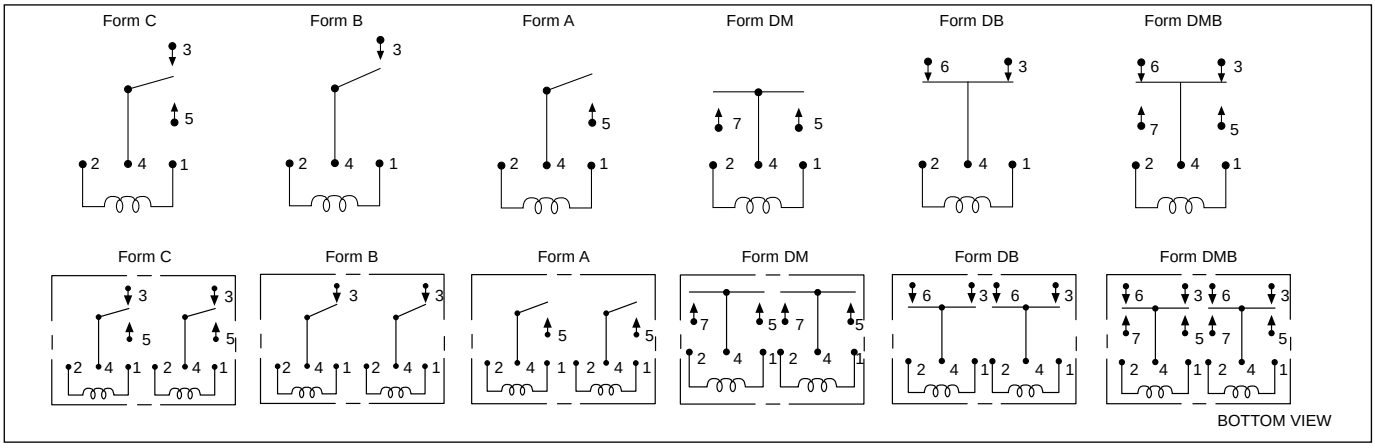
Coil specification SRL

Rated voltage	Rated Current ± 10% at 25˚C (mA)	Coil Resistance ± 10% at 25˚C (Ω)	Max continuous voltage at 25˚C	Pick up voltage (Max) at 25˚C	Drop out voltage (Min) at 25˚C	Power consumption at rated load
6	187.5	32	125% of rated voltage	60% of rated voltage, 67% for SPDM-DB configuration only	10% of rated voltage	Approx. 1.1W
9	123.2	73				
12	92.3	130				
24	46.1	520				

Outline dimensions (mm)



Wiring diagram



PCB layout