

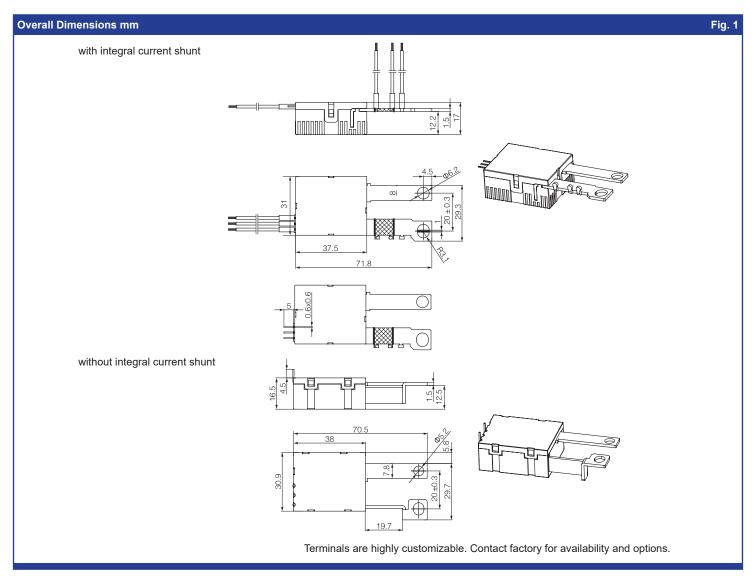
- Up to 80A / 250VAC Continuous rating
- Single coil & twin coil latching
- Utility meters
- Automotive / Electric vehicle battery

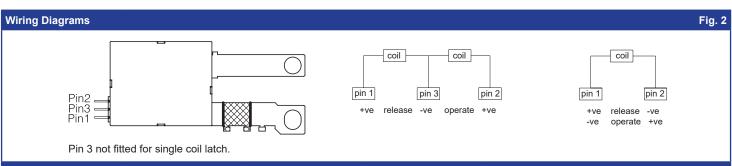
				RoHS Compliant		
Contacts			Ordering Code			
Contact arrangement		SPST-NO (1 NO)				
Contact material		$AgSnO_2$	D G 7 3 - 3 0 2 1 - 7 0 V -	T L 0 9 - 0 H		
Max. switching voltage	AC/DC	250VAC / 20VDC				
Min. switching current / voltage		500mA/12VDC	<u>Series</u>	Coil code:		
Max. continuous current		80A		See table 1		
Max. switching current		80A	Contact material			
Max. switching power		20000VA	30: AgSnO <sub>2</sub>			
Initial resistance		≤ 10mΩ, max. at 0.1A/6VDC				
Coil			Contact arrangement			
Rated voltage		948VDC	21: SPST-NO (1NO)*			
Operating range of supply voltage		See table 1	31: SPST-NC (1NC)*			
Rated power consumption	single coil	1.0W	* As delivered condition			
Rated power consumption	twin coil	2.0W				
Insulation (EN 60664-1)			Environmental protection			
Insulation resistance		>1000MΩ at 500VDC, 50%RH	7: Covered, dust cover			
Dielectric strength coil to contact		4000Vrms, 1min (50Hz)				
between open contacts		1800Vrms, 1min (50Hz)	Mounting & terminations*			
Creepage & Clearance		8mm	0H: 90° Bent PCB coil terminals +			
General Data			Straight power terminals			
Operating time	max.	30ms	0V: Straight PCB coil terminals +			
Release time	max.	30ms	Straight power terminals			
Electrical life (resistive)	ops.	1 x 10 <sup>4</sup>	* Terminals are highly customizable.			
Mechanical life	ops.	5 x 10 <sup>5</sup>	Please contact factory.			
Environmental						
Ambient temperature operating		-40 to 70°C (Class F)	<u>Options</u>			
	storage	-40 to 70°C	Blank: Standard			
Humidity		98%RH, 40°C	P***: Custom (*** = unique identifier)	P***: Custom (*** = unique identifier)		
Shock resistance	functional	100m/s <sup>2</sup> 11ms				
	destructive	1000m/s <sup>2</sup>				
Vibration resistance		DA 1.5mm 10-55Hz				
Dimensions	LxWxH	37.5 x 31 x 17mm				
Weight	approx.	≤ 45g				





DC Coil Data Table 1									
Coil voltage code		Nominal voltage	Coil resistance (Ω) ±10%		Must operate	Recommended			
Single coil	Twin coil*	(VDC)	Single coil (1.0W)	Twin coil* (2.0W)	voltage (VDC)	operate pulse length			
SL09	TL09	9	81	40.5 + 40.5	≥ 6.3	50ms			
SL12	TL12	12	144	72 + 72	≥ 8.4				
SL24	TL24	24	576	288 + 288	≥ 16.8				
SL48	TL48	48	2304	1152 + 1152	≥ 33.6				
* NB: Latch & Reset coils must not be powered simultaneously.									





1) All parameters, unless otherwise specified, are measured at an ambient temperature of 23°C.

Specifications are subject to change without notice. E&OE