

Coil Parameter

Dash numbers	Rated voltage VDC		Coil resistance $\Omega \pm 10\%$	Pick-up voltage VDC(max) (75% of rated voltage)	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power W	Operate time ms	Release time ms
	Rated	Max						
005-900	5	6.5	28	3.75	0.5	0.9	≤ 15	≤ 10
006-900	6	7.8	40	4.50	0.6			
009-900	9	11.7	90	6.75	0.9			
012-900	12	15.6	160	9.00	1.2			
024-900	24	31.2	640	18.00	2.4			
048-900	48	62.4	2560	36.00	4.8			
005-1500	5	6.5	16.7	3.75	0.5	1.5	≤ 15	≤ 10
006-1500	6	7.8	24	4.50	0.6			
009-1500	9	11.7	54	6.75	0.9			
012-1500	12	15.6	96	9.00	1.2			
024-1500	24	31.2	384	18.00	2.4			
048-1500	48	62.4	1536	36.00	4.8			

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Safety Approvals

Safety approval	UL&CUR	TÜV	CQC
Load	50A/277VAC 40°C 6×10^3 40A/277VAC 40°C 2×10^4 30A/277VAC 85°C 5×10^4 1HP 125VAC 1×10^5 TV-8 250VAC 2.5×10^4	50A/277VAC 40°C 6×10^3 40A/277VAC 40°C 2×10^4 30A/277VAC 85°C 5×10^4	50A/250VAC,277VAC 40°C 1×10^4 40A/250VAC,277VAC 40°C 2×10^4 30A/250VAC,277VAC 85°C 5×10^4

Characteristics

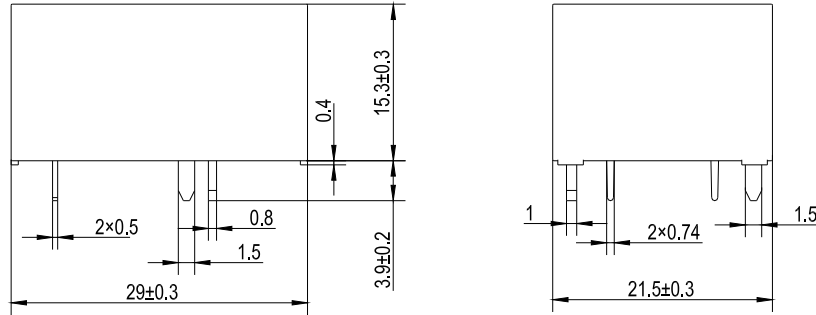
Insulation Resistance	1000M Ω min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength		
Between Contacts	50Hz 1500V	Item 4.9 of IEC 61810-7
Between Contact and Coil	50Hz 5000V	Item 4.9 of IEC 61810-7
Surge Voltage (between contact and coil)	8kV	Item 4.10 of IEC 61810-7
Clearance/Creepage	6.4mm/8.0mm	
Shock Resistance	Functional: 98m/s ² 11ms	Item 4.26 of IEC 61810-7
	Destructive: 980m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40°C~105°C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	18g	Item 4.7 of IEC 61810-7

FORWARD RELAYS

Dimensions

mm

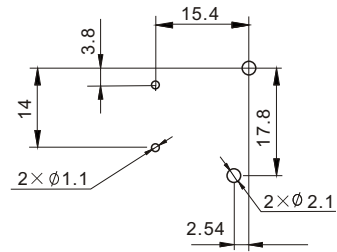
30A&40A



Dimensions

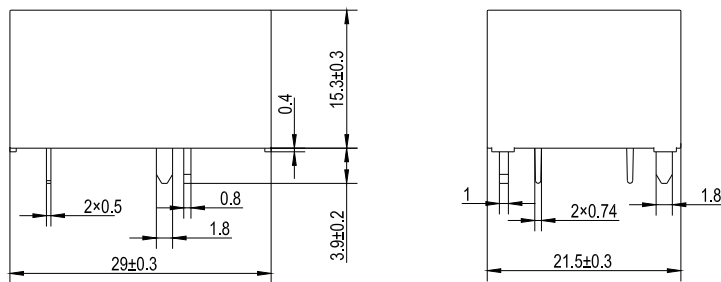


Mounting (Bottom view)

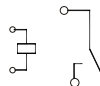


Wiring diagram (Bottom view)

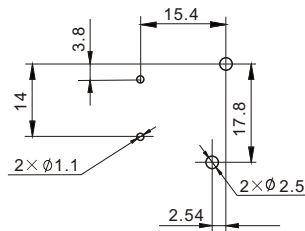
50A



Dimensions



Mounting (Bottom view)

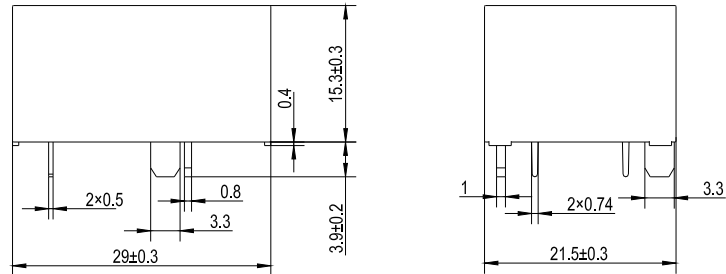


Common pin and N.O pin width:Stand

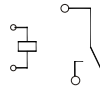
Dimensions

mm

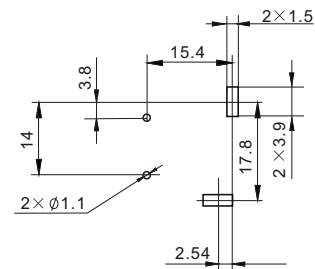
50A



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

Common pin and N.O pin width: W

CAUTION: In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.