UL 1007 Electronic wires

Description

- Rated temperature 80 ℃ ; rated voltage 300V;
- Solid or strands, tinned or bare copper conductor 32-16AWG;
- PVC insulation ,comply with ROHS environmental standard;
- Uniform insulation thickness to ensure easy stripping and cutting;
- Pass UL VW-1,CSA FT1 and JQA -F-Mark flame test;

UL 1007 Technical data

导体 CONDUCTOR			绝缘 INSULATION		最大导体电阻 MAX.COND. RESISTANCE （Ω/km,20℃,DC）	耐压强度 DIELECTRIC STRENGTH （VAC，1min）
规格 AWG	构造 CONSTRUCTION (No./mm)	外径 DIA. (mm)	厚度 THICKNESS （mm）	外径 O.D. (mm)		
30	1/0.254 7/0.10	0.25 0.30	0.40 0.40	1.05 1.10	361 381	2,000
28	1/0.32 7/0.127 7/0.127OS-1*	0.32 0.38 0.38	0.39 0.41 0.41	1.10 1.20 1.20	227 239 239	2,000
26	1/0.404 7/0.16 7/0.16 OS-1*	0.40 0.48 0.48	0.43 0.41 0.41	1.25 1.30 1.30	143 150 150	2,000
24	1/0.511 11/0.16 7/0.20OS-1*	0.51 0.61 0.60	0.42 0.40 0.40	1.35 1.40 1.40	89.3 94.2 94.2	2,000
22	1/0.643 17/0.16 7/0.254 OS-1*	0.64 0.76 0.76	0.43 0.42 0.42	1.50 1.60 1.60	56.4 59.4 59.4	2,000
20	1/0.813 26/0.16 7/0.32OS-1*	0.81 0.94 0.96	0.42 0.43 0.42	1.65 1.80 1.80	35.2 36.7 36.7	2,000
18	1/1.024 41/0.16 7/0.404OS-1*	1.02 1.18 1.21	0.41 0.47 0.45	1.85 2.10 2.10	22.2 23.2 23.2	2,000
16	1/1.29 26/0.254	1.29 1.49	0.46 0.46	2.20 2.40	14.0 14.6	2,000

Standard windings

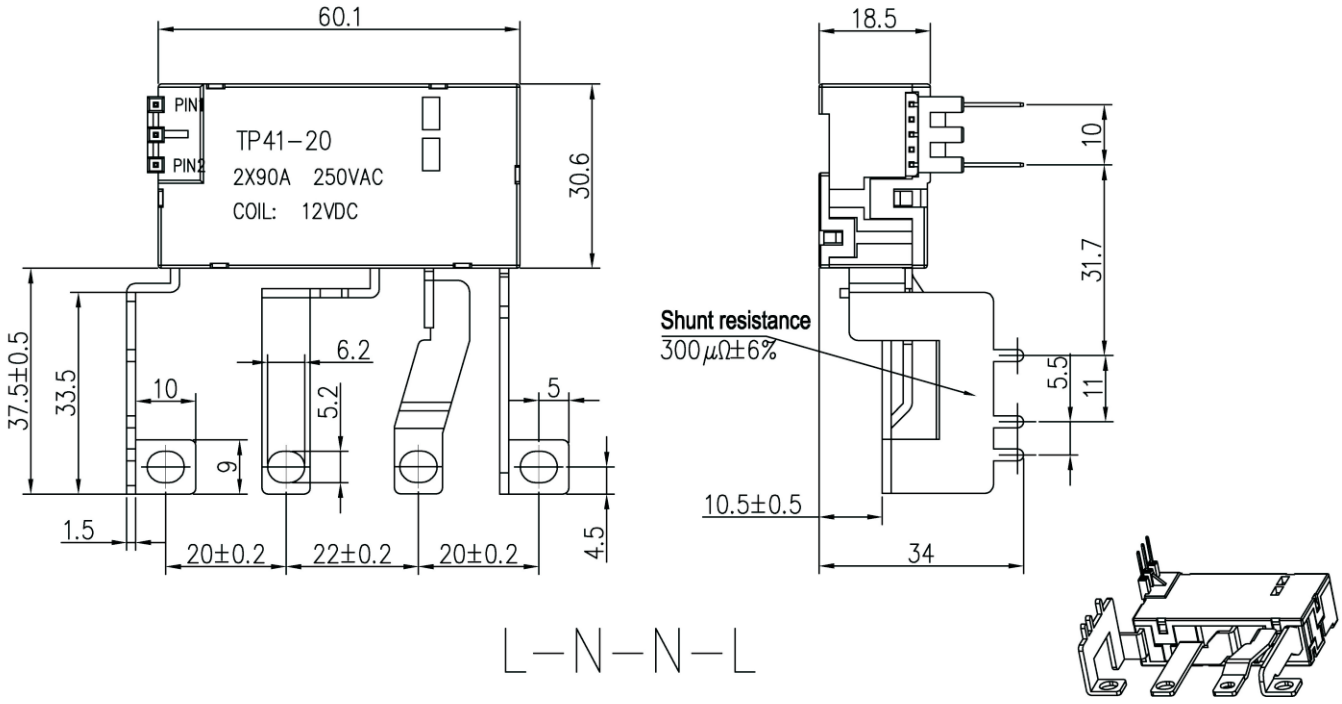
Nominal voltage (VDC)	Operating voltage range MAX. (VDC)	Coil resistance (± 10%)/ (Ohm)
Single Winding		
6	4.8	14.4
9	7.2	32.4
12	9.6	57.6
24	19.2	230.4
48	38.4	921.6
Double Winding		
6	4.8	7.2+7.2
9	7.2	16.2+16.2
12	9.6	28.8+28.8
24	19.2	150.2+150.2
48	38.4	460.8+460.8

NOTE: Others norminal voltage required, special ordering allowed.

Characteristics

Insulation Resistance:		1000MΩ
Dielectric strength	Between Contact and Coil	4000V 1Min.
	Between Open Contact	1800V 1Min.
Creepage Distance:		8 mm
Shock Ristance:		147m/s2
Vabration Resistance:		10HZ-55HZ amplitude 1.5mm
Ambient Temperature:		-40℃...+85℃
Weight:		APPROX.110g
Contruction:		Dust protection

Outline dimensions and circuit diagram



Remark: The tolerance didn't mark on drawings. When dimension is≤1mm,the tolerance should be less than ±0. 2mm ; when dimension is between 1-5mm, the tolerance should be less than ±0. 3mm; When dimension is ≥5mm, the tolerance should be less than ±0. 5mm.

Note:

1. The default status of the relay contact is closed(R set), it maybe change to "open" due to transit or relay mounting, please check the contact status when using, and reset he relay contact status on request if necessary.
2. In order to make sure the contact " open" or "closed" status, the excitation voltage should reach to rated voltage, but the excitation time should not over 1 minute. For double coil relay, do not apply the voltage to both coils at the same time.
3. The terminals relay without twisted copper cable can not be tin soldered, can not be wrenched too.
4. Please do not use the relay which has been tested for electrical endurance testing.