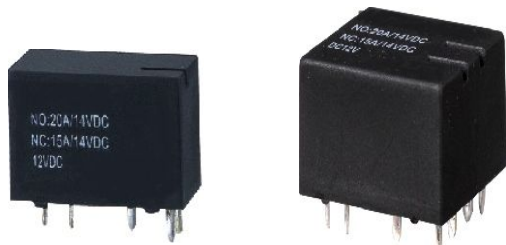


R340 Automotive Power Relay



FITRE S.p.A. - Componets Division

20142 Milano - Italia - via Valsolda,15
 tel (+39) 02.8959.0214 - fax (+39) 02.8959.0400
 e-mail: fitre.componenti@fitre.it - web site: www.fitrecomponenti.it



Features

Small size, light weight.
 Low coil power consumption.
 Switching capacity up to 20A.
 PC board mounting.
 Suitable for automobile, automation system,
 electronic equipment, instrument, meter,
 telecommunication facilities and remote control facilities.

Contact Data

Contact Arrangement		2C DPDT(B-M) ; 1C (SPDT(B-M))	
Contact Material		AgSnO ₂	
Contact Rating (resistive)		NO:20A/14VDC NC:15A/14VDC	
Max. Switching Power		280W	
Max. Switching Voltage		40VDC	Max. Switching Current:20A
Contact Resistance or Voltage drop		<100mΩ (or 30mV at 10A max make time 15s) Item 4.12 of IEC 61810-7	
Operation life	Electrical	2 × 10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current, it only applies to the room temperature.

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick up voltage VDC(max) (58%of rated voltage)	Release voltage VDC(min) (9% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-800	12	18	180	6.9	1	0.8	<3	<1.2
012-600	12	18	240	6.9	1	0.6	<3	<1.2
012-560	12	18	260	6.9	1	0.56	<3	<1.2

- 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.
 3.Unless otherwise stated, the rated coil voltage specified in coil parameter table shall be used for all tests and its application to the relay.

Sound Pre. Characteristics (Q type):

Operation noise : <50db
 Coil voltage :12VDC

ORDERING DESIGNATION EXAMPLE:

R340D - 2 / 012 Z 1 H Q
 1 2 3 4 5 6 7

- 1 Model: R340D (VDC coil only)
- 2 2= 2 coils , 2C contacts ; 1 = 1 coil , 1C contact
- 3 Coil voltage: see coil parameter
- 4 Contact form: Z= C contact

- 5 Version: Nil or 1 = sealed
- 6 Coil power: Nil = 0,56W; H = 0,60W L = 0,8W
- 7 Nil = Standard Type ; Q = Quiet Type
- 8 Nil

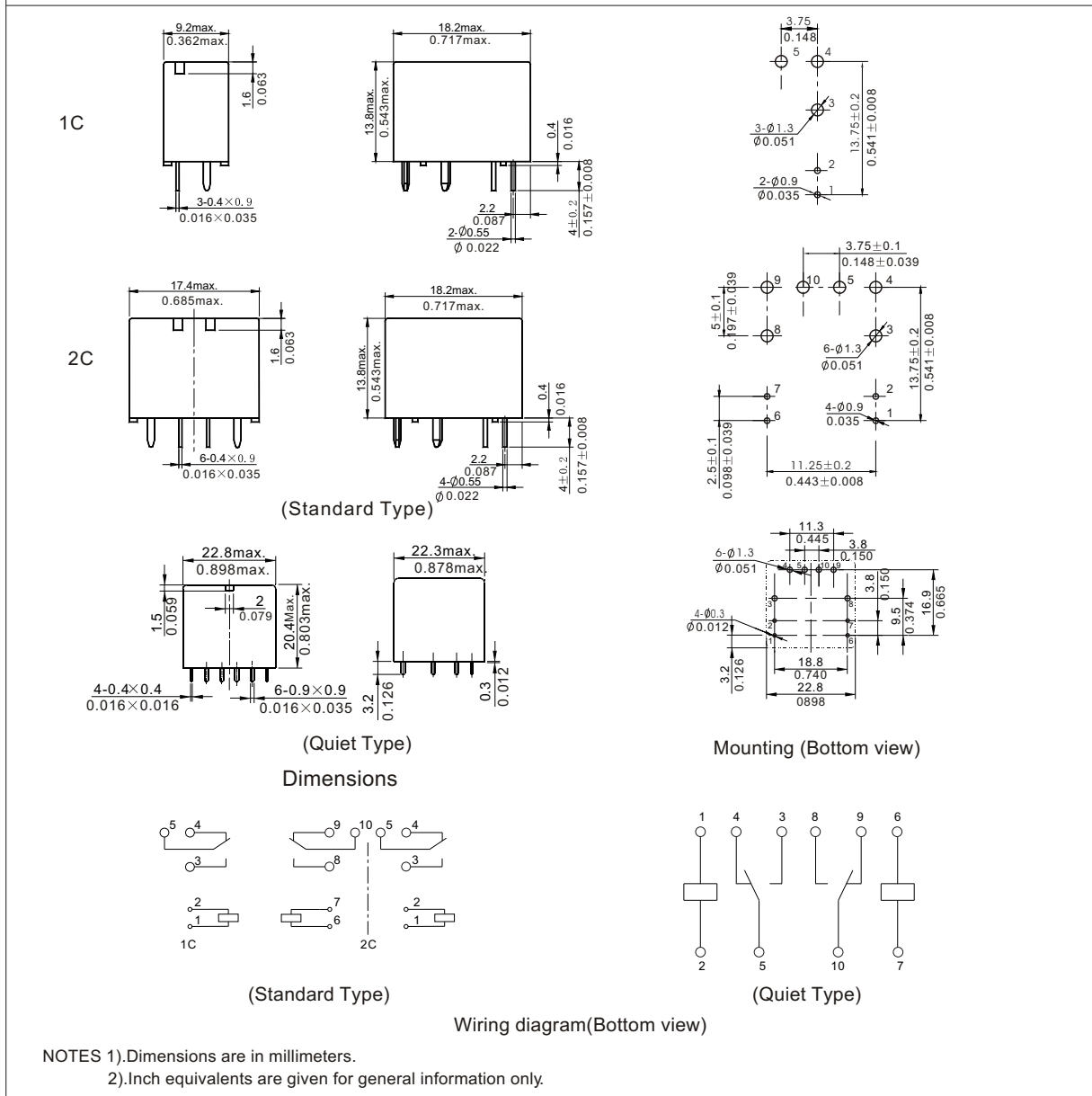
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Operation condition

Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 500V 50Hz 500V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	Functional : 300m/s ² Survival : 450 m/s ²	IEC 68-2-27 Test Ea
Vibration resistance ²	10Hz~100Hz 100 m/s ² Double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	235°C ± 2°C 3s ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40°C~85°C	
Relative Humidity	85% (at 40°C)	IEC 68-2-3 Test Ca
Mass	15g(Q type); 10g ;5g(1C)	

Dimensions

mm /inch



NOTES 1).Dimensions are in millimeters.

2).Inch equivalents are given for general information only.

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