

FEATURES

- 4kV dielectric strength (between coil to contacts,for type 1/ type 3 PCB layout)
- 32A switching capability
- Ambient temperature up to 105℃
- Insulation system: Class F
- Dimension: 21.5 x 16 x 20.6mm (L x W x H)

CONTACT DATA

Contact arrangement	1A
Contact resistance(initial)	$\leq 10 \text{ m}\Omega$ (20A 6VDC)
Contact rating (Res.load)	Standard:32A 277VAC Sensitive:26A 277VAC
Max. switching voltage	600VAC
Max. Switching current	Standard:32A Sensitive:26A
Max. Switching power	Standard:8864VA Sensitive:7202VA
Contact gap	ME-79: 1.8mm ME-79W: 2.4mm
Contact material	AgSnO ₂
Termination	PCB
Construction	Flux proofed

CHARACTERISTICS

Insulation resistance	1000M Ω at 500VDC
Dielectric strength	Type 1/Type 3:4000VAC, 1 min. between coil to contacts Type 2/Type 4:2500VAC, 1 min. between coil to contacts ME-79:1500VAC, 1 min. between open contacts ME-79W:2000VAC, 1 min. between open contacts
Operate time	Max. 15 ms (nominal voltage)
Release time	Max. 10 ms (nominal voltage)
Vibration resistance	10-55Hz, 1.5mm DA
Shock resistance	Functional:98m/s ² Destructive:980m/s ²
Humidity	5% to 85% RH
Ambient temperature	-40℃ ~ 105℃
Life expectancy - Mechanical - Electrical	1 x 10 ⁵ ops Standard:1x10 ⁴ ops(NO:32A 277VAC,Resistive load,at 85℃,1s on 9s off) Sensitive:3x10 ⁴ ops(NO:26A 277VAC,Resistive load,at 85℃,1s on 9s off)

COIL SPECIFICATIONS-(Standard)

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA $\pm 10\%$)	Coil resistance ($\Omega \pm 10\%$)	Power consumption(W)	Max. allowable voltage(VDC)
12	9.6	0.6	233	51	2.8	110% of nominal voltage
24	19.2	1.2	117	206	2.8	
48	38.4	2.4	58	823	2.8	

COIL SPECIFICATIONS-(Sensitive)

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA $\pm$ 10%)	Coil resistance ($\Omega\pm$ 10%)	Power consumption(W)	Max. allowable voltage(VDC)
12	9.6	0.6	139	86	1.67	110% of nominal voltage
24	19.2	1.2	70	345	1.67	
48	38.4	2.4	35	1380	1.67	

ORDERING INFORMATION

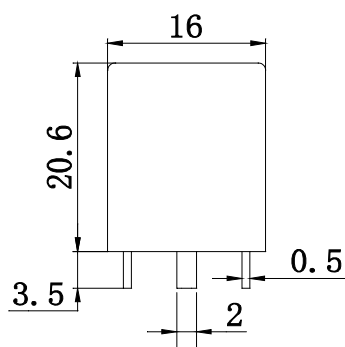
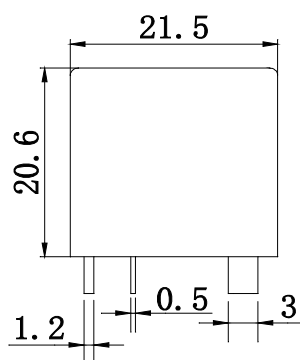
<u>ME-79</u>	-	<u>012</u>	-	<u>H</u>	<u>T</u>	<u>F</u>	<u>L</u>	<u>1</u>
Model No.	Coil Voltage	Contact Form	Contact Material	Insulation System	Coil power	Construction		
ME-79/ ME-79W	12VDC-48V DC	H: 1A	T: AgSnO ₂	F: Class F	Nil:Standard L: Sensitive	1: Type 1 PCB layout 2: Type 2 PCB layout 3: Type 3 PCB layout 4: Type 4 PCB layout		

Notes: Type 3/Type 4 only for Sensitive type

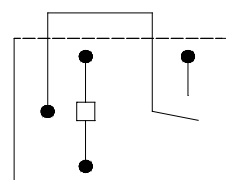
Dimensions(unit:mm)

Tolerance: ± 0.4 mm

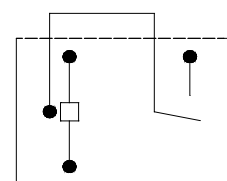
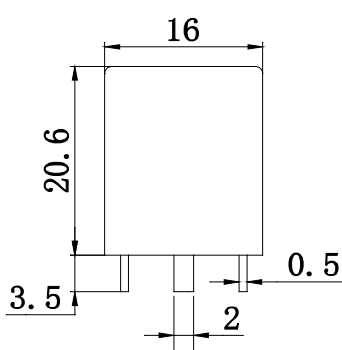
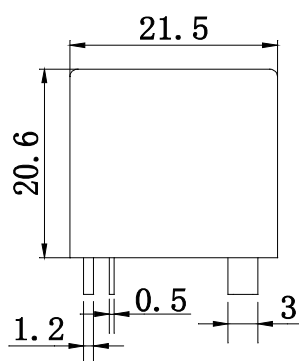
Type 1



SCHEMATIC

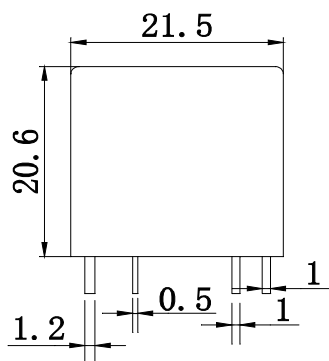


Type 2

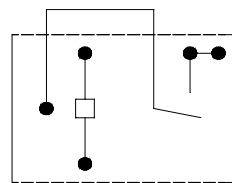


Dimensions(unit:mm)

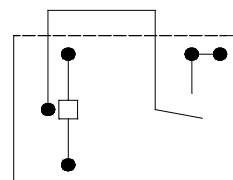
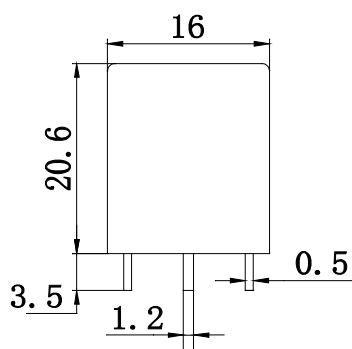
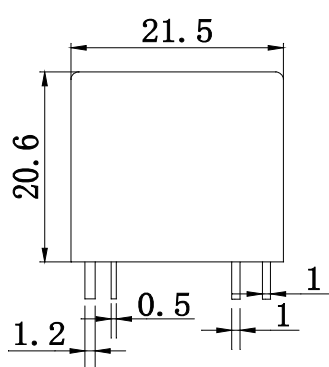
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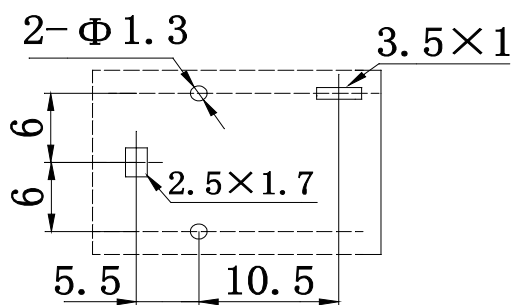
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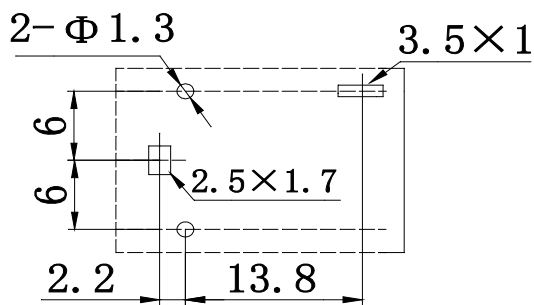
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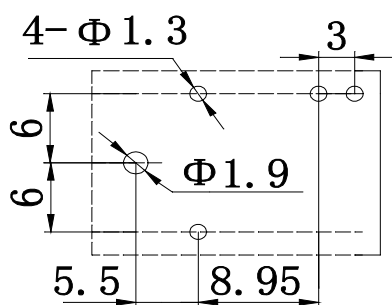
PCB LAYOUT



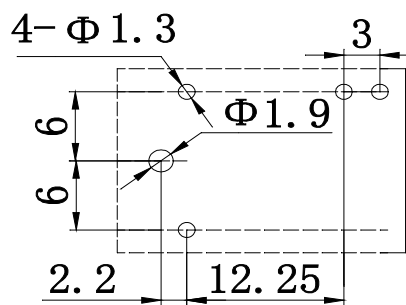
Type 1



Type 2



Type 3



Type 4