

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

POWER RELAY 1 POLE-5 A (CADMIUM FREE CONTACTS TYPE) **NY SERIES**

FEATURES

- Ultra slim type with 5 mm thickness -Good for high density mounting
- · Low power consumption and high sensitivity -Nominal coil power: 120 mW -Operating power: 54 mW
- UL, CSA, VDE recognized
- Conforms to IEC 1010-1 and 1131-2
- Wide operating range
- SIL pitch terminals
- Plastic sealed type
- Compatible with solid state I/O module type SN (see page 376) in size and pin (terminal) arrangement
- Environmentally friendly cadmium free contact type is available.

ORDERING INFORMATION

[Example]

NY 12 (b) (*) (c) (d) (e)

(a)	Series Name	NY: NY Series	
(b)	Terminal Classification	Nil : PC board mounting type P : Socket mounting type	WWW.
(c)	Nominal Voltage	Refer to the COIL DATA CHART	MMI
(d)	Contact	W : Bifurcated type	WW
(e)	Enclosure	K : Plastic sealed type	

SAFETY STANDARD AND FILE NUM

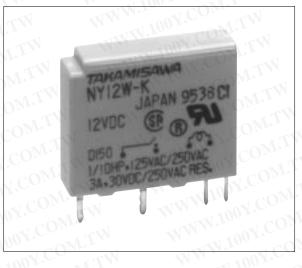
UL508 (File No. E56140)

C22.2 No. 14 (File No. LR35579)

VDE0435 (File No. 11039-4940-1013)

Please note that UL/CSA ratings may differ from the standard ratings.

Nominal voltage	Contact rating
4.5 to 24 VDC	1/8 HP 125 VAC/250 VAC 5 A 30 VDC/250 VAC resistive Pilot duty C 300



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NY SERIES

■ SPECIFICATIONS

00Y.COM	lter	n	NY	
Contact	Arrangement		1 form A (SPST-NO)	
1004.00	Material		Gold overlay silver alloy	
. MOY.C	Style		Bifurcated	
N. MONY.C	Resistance (initial)		Maximum 30 mΩ (at 1 A 6 VDC)	
NW. LOON!	Rating (resistive)Maximum Carrying CurrentMaximum Switching Power		5 A 250 VAC or 5 A 30 VDC	
WW.IU			5 A CONTRACTOR OF	
WW.100			750 VA, 90 W	
N.10	Maximum Switching Voltage		270 VAC, 125 VDC	
N.W.M	Maximum Switching Current		5 A	
W WIND	Minimum Switching Load*1		1mA 5 VDC	
Coil	Nominal Power (at 20°C)		0.12W	
WW L	Operate Power (at 20°C)		0.054 W	
WW	Operating Temperature		-40°C to +90°C (no frost) (refer to the CHARACTERISTIC DATA)	
Time Value	Operate (at nominal voltage)Release (at nominal voltage)		Maximum 10 ms	
NV.			Maximum 5 ms	
Insulation	Resistance (at 500 VDC)		Minimum 1,000 MΩ	
	Dielectric b	between open contacts	750 VAC 1 minute	
		between coil and contacts	3,000 VAC 1 minute	
	Surge Strength		5,080 V (at 1.2×50 μs)	
Life	Mechanical		2 x 10 ⁷ operations minimum	
	Electrical		1.5×10^{5} operations minimum (at 5A 30VDC) 1.5×10^{5} operations minimum (at 3 A 120 VAC) 3×10^{4} operations minimum (at 5 A 250 VAC)	
Other ,	Vibration	Misoperation	10 to 55 Hz (double amplitude of 1.5 mm)	
	Vibration Resistance	Endurance	10 to 55 Hz (double amplitude of 5.0 mm)	
	Shock Misoperation		100 m/s ² (11 ^{± 1} ms)	
ļ	Shock Resistance	Endurance	1,000 m/s ² (6 ^{±1} ms)	
,	Weight		Approximately 3.5 g	

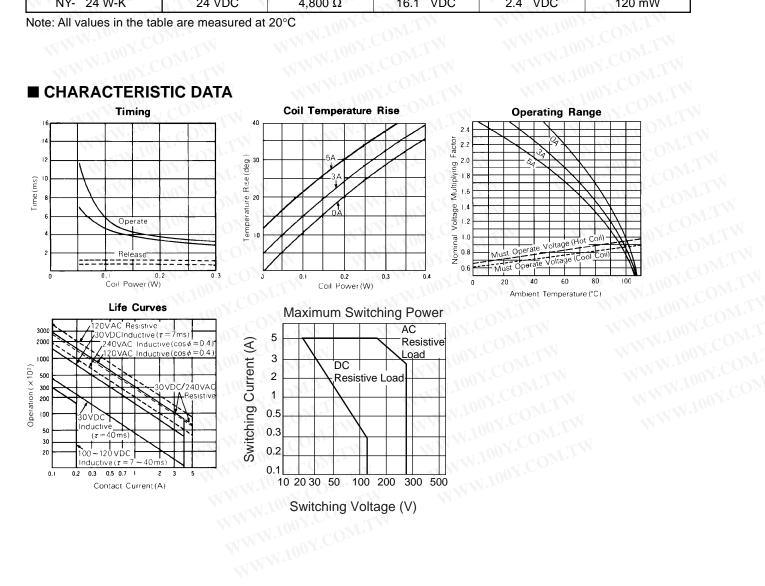
*1 Minimum switching loads mentioned above are reference values. Please perform the confirmation test with the actual load before production since reference values may vary according to switching frequencies, environmental conditions WWW.100 and expected reliability levels.

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NY SERIES

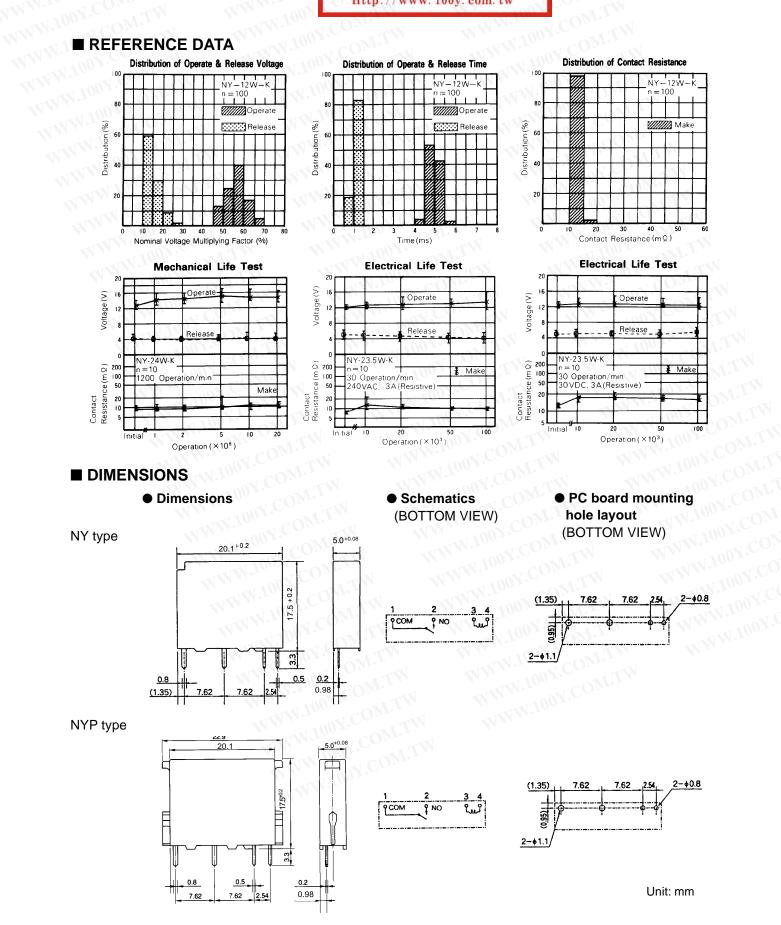
WWW.100Y ■ COIL DATA CHART

MODEL	Nominal voltage	Coil resistance (±10%)	Must operate voltage	Must release voltage	Nomina power
NY- 4.5 W-K	4.5 VDC	169 Ω	3 VDC	0.45 VDC	120 mW
NY- 5 W-K	5 VDC	208 Ω	3.35 VDC	0.5 VDC	120 mW
NY- 6 W-K	6 VDC	300 Ω	4 VDC	0.6 VDC	120 mW
NY- 9 W-K	9 VDC	675 Ω	6 VDC	0.9 VDC	120 mW
NY- 12 W-K	12 VDC	1,200 Ω	8 VDC	1.2 VDC	120 mW
NY- 18 W-K	18 VDC	2,700 Ω	12.1 VDC	1.8 VDC	120 mW
NY- 24 W-K	24 VDC	4,800 Ω	16.1 VDC	2.4 VDC	120 mW



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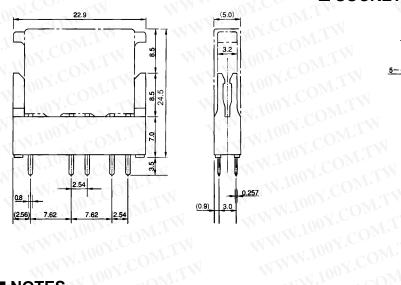


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WWW.100Y.COM.TW

NY SERIES

WWW.100Y.C SOCKET DIMENSIONS



WWW

SOCKET DRILLING PLANT

W.100Y.COM.TW

WWW.100Y.COM

WWW.1001

N100Y.COM.TW

WWW.100Y.COM.T

WWW.100X.

MT.W

MT.MO

WWW.100Y.COM.TW

WWW.100Y

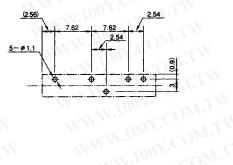
WWW.100Y.COM.TW

WWW.100Y.COM.TW

W.100Y.COM.TW

WWW.100Y.COM.1

.coM.TW



N.100Y.COM.TW Unit: mm WWW.100Y.COM.TW WWW.100Y.COM.TW

NOTES

100Y.COM.

- 1. Socket ordering code. JL-5N
- 2. Standard IC socket is not recommended. Please use socket JL-5N.

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MW.100Y.COM.TW

WWW.100Y.0

WWW.100Y

WWW.100

WWW.10

WWW.100

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