

Issue Date: January 14th, 2025

ID# 598859

Subject: NRYxx Series of Power Relays

Notification Type: End of Life Notification

Effected NIC Products: NRYxx Series of Power Relays (See Part Number List Below)

Effective Date: January 14th, 2025

Description: Due to low market demand NIC has discontinued the NRYFM, NRYGQ, NRYGU, NRYML, NRYSF and NRYWH series of power relays.

Last Order Date: July 14th, 2025 for established customers with existing business.

Last Ship Date: January 14th, 2026 for established customers with existing business.

EOL Part Numbers	EOL Part Numbers	EOL Part Numbers	EOL Part Numbers
NRYFM2P110VDGAF	NRYFM2P110VDNGAF	NRYFM2P15VDSAF	NRYFM2P48VDMGAF
NRYFM2W5VDGF	NRYFM2P110VDNGF	NRYFM2P15VDSF	NRYFM2P48VDMGF
NRYFM2W5VDMGF	NRYFM2P110VDNSAF	NRYFM2P18VDGAF	NRYFM2P48VDMSAF
NRYFM2W6VDGF	NRYFM2P110VDNSF	NRYFM2P18VDGF	NRYFM2P48VDMSF
NRYFM2W6VDMGF	NRYFM2P110VDSAF	NRYFM2P18VDMGAF	NRYFM2P48VDNGAF
NRYFM2W9VDGF	NRYFM2P110VDSF	NRYFM2P18VDMGF	NRYFM2P48VDNGF
NRYFM2W9VDMGF	NRYFM2P12VDGAF	NRYFM2P18VDMSAF	NRYFM2P48VDNSAF
NRYFM2W12VDGF	NRYFM2P12VDGF	NRYFM2P18VDMSF	NRYFM2P48VDNSF
NRYFM2W12VDMGF	NRYFM2P12VDMGAF	NRYFM2P18VDNGAF	NRYFM2P48VDSAF
NRYFM2W12VDGAF	NRYFM2P12VDMGF	NRYFM2P18VDNGF	NRYFM2P48VDSF
NRYFM2W15VDGF	NRYFM2P12VDMSAF	NRYFM2P18VDNSAF	NRYFM2P5VDGAF
NRYFM2W15VDMGF	NRYFM2P12VDMSF	NRYFM2P18VDNSF	NRYFM2P5VDGF
NRYFM2W18VDGF	NRYFM2P12VDNGAF	NRYFM2P18VDSAF	NRYFM2P5VDMGAF
NRYFM2W18VDMGF	NRYFM2P12VDNGF	NRYFM2P18VDSF	NRYFM2P5VDMGF
NRYFM2W24VDGF	NRYFM2P12VDNSAF	NRYFM2P24VDGAF	NRYFM2P5VDMSAF
NRYFM2W24VDMGF	NRYFM2P12VDNSF	NRYFM2P24VDGF	NRYFM2P5VDMSF
NRYFM2W24VDGAF	NRYFM2P12VDSAF	NRYFM2P24VDMGAF	NRYFM2P5VDNGAF
NRYFM2W48VDGF	NRYFM2P12VDSF	NRYFM2P24VDMGF	NRYFM2P5VDNGF
NRYFM2W48VDMGF	NRYFM2P15VDGAF	NRYFM2P24VDMSAF	NRYFM2P5VDNSAF
NRYFM2W60VDGF	NRYFM2P15VDGF	NRYFM2P24VDMSF	NRYFM2P5VDNSF
NRYFM2W60VDMGF	NRYFM2P15VDMGAF	NRYFM2P24VDNGAF	NRYFM2P5VDSAF
NRYFM2W110VDGF	NRYFM2P15VDMGF	NRYFM2P24VDNGF	NRYFM2P5VDSF
NRYFM2W110VDMGF	NRYFM2P15VDMSAF	NRYFM2P24VDNSAF	NRYFM2P60VDGAF
NRYFM2P110VDGF	NRYFM2P15VDMSF	NRYFM2P24VDNSF	NRYFM2P60VDGF
NRYFM2P110VDMGAF	NRYFM2P15VDNGAF	NRYFM2P24VDSAF	NRYFM2P60VDMGAF
NRYFM2P110VDMGF	NRYFM2P15VDNGF	NRYFM2P24VDSF	NRYFM2P60VDMGF

EOL Part Numbers	EOL Part Numbers	EOL Part Numbers	EOL Part Numbers
NRYFM2P110VDM SAF	NRYFM2P15VDNSAF	NRYFM2P48VDGAF	NRYFM2P60VDM SAF
NRYFM2P110VDM SF	NRYFM2P15VDNSF	NRYFM2P48VDGF	NRYFM2P60VDM SF
NRYFM2P60VDNGAF	NRYFM2W12VDMGAF	NRYFM2W48VDM SAF	NRYFM2W9VDM SAF
NRYFM2P60VDNGF	NRYFM2W12VDM SAF	NRYFM2W48VDM SF	NRYFM2W9VDM SF
NRYFM2P60VDNSAF	NRYFM2W12VDM SF	NRYFM2W48VDNGAF	NRYFM2W9VDNGAF
NRYFM2P60VDNSF	NRYFM2W12VDNGAF	NRYFM2W48VDNGF	NRYFM2W9VDNGF
NRYFM2P60VDSAF	NRYFM2W12VDNGF	NRYFM2W48VDNSAF	NRYFM2W9VDNSAF
NRYFM2P60VDSF	NRYFM2W12VDNSAF	NRYFM2W48VDNSF	NRYFM2W9VDNSF
NRYFM2P6VDGAF	NRYFM2W12VDNSF	NRYFM2W48VDSAF	NRYFM2W9VDSAF
NRYFM2P6VDGF	NRYFM2W12VDSAF	NRYFM2W48VDSF	NRYFM2W9VDSF
NRYFM2P6VDMGAF	NRYFM2W12VDSF	NRYFM2W5VDGAF	NRYGQ1W5VDMF
NRYFM2P6VDMGF	NRYFM2W15VDGAF	NRYFM2W5VDMGAF	NRYGQ1W6VDMF
NRYFM2P6VDM SAF	NRYFM2W15VDMGAF	NRYFM2W5VDM SAF	NRYGQ1W12VDMF
NRYFM2P6VDM SF	NRYFM2W15VDM SAF	NRYFM2W5VDM SF	NRYGQ1W24VDMF
NRYFM2P6VDNGAF	NRYFM2W15VDM SF	NRYFM2W5VDNGAF	NRYGQ1W5VDM1F
NRYFM2P6VDNGF	NRYFM2W15VDNGAF	NRYFM2W5VDNGF	NRYGQ1W6VDM1F
NRYFM2P6VDNSAF	NRYFM2W15VDNGF	NRYFM2W5VDNSAF	NRYGQ1W12VDM1F
NRYFM2P6VDNSF	NRYFM2W15VDNSAF	NRYFM2W5VDNSF	NRYGQ1W24VDM1F
NRYFM2P6VDSAF	NRYFM2W15VDNSF	NRYFM2W5VDSAF	NRYGQ1W5VDM1AF
NRYFM2P6VDSF	NRYFM2W15VDSAF	NRYFM2W5VDSF	NRYGQ1W6VDM1AF
NRYFM2P9VDGAF	NRYFM2W15VDSF	NRYFM2W60VDGAF	NRYGQ1W12VDM1AF
NRYFM2P9VDGF	NRYFM2W18VDGAF	NRYFM2W60VDMGAF	NRYGQ1W24VDM1AF
NRYFM2P9VDMGAF	NRYFM2W18VDMGAF	NRYFM2W60VDM SAF	NRYGQ1P12VD2M1AF
NRYFM2P9VDMGF	NRYFM2W18VDM SAF	NRYFM2W60VDM SF	NRYGQ1P12VD2M1F
NRYFM2P9VDM SAF	NRYFM2W18VDM SF	NRYFM2W60VDNGAF	NRYGQ1P12VDM1AF
NRYFM2P9VDM SF	NRYFM2W18VDNGAF	NRYFM2W60VDNGF	NRYGQ1P12VDM1F
NRYFM2P9VDNGAF	NRYFM2W18VDNGF	NRYFM2W60VDNSAF	NRYGQ1P24VD2M1AF
NRYFM2P9VDNGF	NRYFM2W18VDNSAF	NRYFM2W60VDNSF	NRYGQ1P24VD2M1F
NRYFM2P9VDNSAF	NRYFM2W18VDNSF	NRYFM2W60VDSAF	NRYGQ1P24VDM1AF
NRYFM2P9VDNSF	NRYFM2W18VDSAF	NRYFM2W60VDSF	NRYGQ1P24VDM1F
NRYFM2P9VDSAF	NRYFM2W18VDSF	NRYFM2W6VDGAF	NRYGQ1P5VD2M1AF
NRYFM2P9VDSF	NRYFM2W24VDMGAF	NRYFM2W6VDMGAF	NRYGQ1P5VD2M1F
NRYFM2W110VDGAF	NRYFM2W24VDM SAF	NRYFM2W6VDM SAF	NRYGQ1P5VDM1AF
NRYFM2W110VDMGAF	NRYFM2W24VDM SF	NRYFM2W6VDM SF	NRYGQ1P5VDM1F
NRYFM2W110VDM SAF	NRYFM2W24VDNGAF	NRYFM2W6VDNGAF	NRYGQ1P6VD2M1AF
NRYFM2W110VDM SF	NRYFM2W24VDNGF	NRYFM2W6VDNGF	NRYGQ1P6VD2M1F
NRYFM2W110VDNGAF	NRYFM2W24VDNSAF	NRYFM2W6VDNSAF	NRYGQ1P6VDM1AF
NRYFM2W110VDNGF	NRYFM2W24VDNSF	NRYFM2W6VDNSF	NRYGQ1P6VDM1F
NRYFM2W110VDNSAF	NRYFM2W24VDSAF	NRYFM2W6VDSAF	NRYGQ1W12VD2M1AF
NRYFM2W110VDNSF	NRYFM2W24VDSF	NRYFM2W6VDSF	NRYGQ1W12VD2M1F

EOL Part Numbers	EOL Part Numbers	EOL Part Numbers	EOL Part Numbers
NRYFM2W110VDSAF	NRYFM2W48VDGAF	NRYFM2W9VDGAF	NRYGQ1W24VD2M1AF
NRYFM2W110VDSF	NRYFM2W48VDMGAF	NRYFM2W9VDMGAF	NRYGQ1W24VD2M1F
NRYGQ1W5VD2M1AF	NRYML1P12VDMF	NRYWH1P48VDF	NRYWH1W6VDCAF
NRYGQ1W5VD2M1F	NRYML1P24VDMF	NRYWH1W5VDF	NRYWH1W9VDCAF
NRYGQ1W6VD2M1AF	NRYML1P48VDMF	NRYWH1W6VDF	NRYWH1W12VDCAF
NRYGQ1W6VD2M1F	NRYML1P60VDMF	NRYWH1W9VDF	NRYWH1W24VDCAF
NRYGU1W5VDMF	NRYML1W6VDMF	NRYWH1W12VDF	NRYWH1W48VDCAF
NRYGU1W5VDF	NRYML1P5VDMAF	NRYWH1W24VDF	NRYWH1P5VDMF
NRYGU1W6VDF	NRYML1P6VDMAF	NRYWH1W48VDF	NRYWH1P6VDMF
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NRYGU1W12VDMQF	NRYML1P24VDMAF	NRYWH1P6VDCF	NRYWH1P12VDMF
NRYGU1W12VDMF	NRYML1P48VDMAF	NRYWH1P9VDCF	NRYWH1P24VDMF
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NRYGU1W12VDMA5F	NRYML1W5VDMAF	NRYWH1P24VDCF	NRYWH1W5VDMF
NRYGU1W12VDM5F	NRYML1W6VDMAF	NRYWH1P48VDCF	NRYWH1W6VDMF
NRYGU1W12VD5F	NRYML1W12VDMAF	NRYWH1W5VDCF	NRYWH1W9VDMF
NRYGU1P15VDMQAF	NRYML1W24VDMAF	NRYWH1W6VDCF	NRYWH1W12VDMF
NRYGU1W15VDMF	NRYML1W48VDMAF	NRYWH1W9VDCF	NRYWH1W24VDMF
NRYGU1W15VDMA5F	NRYML1W60VDMAF	NRYWH1W12VDCF	NRYWH1W48VDMF
NRYGU1W18VDF	NRYSF1W5VDMF	NRYWH1W24VDCF	NRYWH1P5VDMCF
NRYGU1W24VDMQF	NRYSF1W9VDMF	NRYWH1W48VDCF	NRYWH1P6VDMCF
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NRYGU1W24VDMF	NRYSF1W48VDMF	NRYWH1P9VDAF	NRYWH1P24VDMCF
NRYGU1W24VDQF	NRYSF1W100VDMF	NRYWH1P12VDAF	NRYWH1P48VDMCF
NRYGU1W24VDF	NRYSF1P100VDMAF	NRYWH1P24VDAF	NRYWH1W5VDMCF
NRYGU1W24VDM5F	NRYSF1P12VDMAF	NRYWH1P48VDAF	NRYWH1W6VDMCF
NRYGU1W24VD5F	NRYSF1P24VDMAF	NRYWH1W5VDAF	NRYWH1W9VDMCF
NRYGU1W24VDMA5F	NRYSF1P48VDMAF	NRYWH1W6VDAF	NRYWH1W12VDMCF
NRYGU1W48VDMF	NRYSF1P5VDMAF	NRYWH1W9VDAF	NRYWH1W24VDMCF
NRYGU1W48VDF	NRYSF1P9VDMAF	NRYWH1W12VDAF	NRYWH1W48VDMCF
NRYGU1W110VDMF	NRYSF1W100VDMAF	NRYWH1W12VDMGF	NRYWH1P5VDMAF
NRYGU1W110VDF	NRYSF1W12VDMAF	NRYWH1W1212VDF	NRYWH1P6VDMAF
NRYGU1W24VDA5F	NRYSF1W24VDMAF	NRYWH1W24VDAF	NRYWH1P9VDMAF
NRYGU1W24VDAQF	NRYSF1W48VDMAF	NRYWH1W48VDAF	NRYWH1P12VDMAF
NRYML1W5VDMF	NRYSF1W5VDMAF	NRYWH1P5VDCAF	NRYWH1P24VDMAF
NRYML1W12VDMF	NRYSF1W9VDMAF	NRYWH1P6VDCAF	NRYWH1P48VDMAF
NRYML1W24VDMF	NRYWH1P5VDF	NRYWH1P9VDCAF	NRYWH1W5VDMAF
NRYML1W48VDMF	NRYWH1P6VDF	NRYWH1P12VDCAF	NRYWH1W6VDMAF
NRYML1W60VDMF	NRYWH1P9VDF	NRYWH1P24VDCAF	NRYWH1W9VDMAF

EOL Part Numbers	EOL Part Numbers	EOL Part Numbers	EOL Part Numbers
NRYML1P5VDMF	NRYWH1P12VDF	NRYWH1P48VDCAF	NRYWH1W12VDMAF
NRYML1P6VDMF	NRYWH1P24VDF	NRYWH1W5VDCAF	NRYWH1W24VDMAF
NRYWH1W48VDMAF	NRYWH1W48VDNCF		
NRYWH1P5VDMCAF	NRYWH1P5VDNAF		
NRYWH1P6VDMCAF	NRYWH1P6VDNAF		
NRYWH1P9VDMCAF	NRYWH1P9VDNAF		
NRYWH1P12VDMCAF	NRYWH1P48VDNCF		
NRYWH1P24VDMCAF	NRYWH1W5VDNCF		
NRYWH1P48VDMCAF	NRYWH1W6VDNCF		
NRYWH1W5VDMCAF	NRYWH1W9VDNCF		
NRYWH1W6VDMCAF	NRYWH1W12VDNCF		
NRYWH1W9VDMCAF	NRYWH1W24VDNCF		
NRYWH1W12VDMCAF	NRYWH1W48VDNCF		
NRYWH1W24VDMCAF	NRYWH1P5VDNAF		
NRYWH1W48VDMCAF	NRYWH1P6VDNAF		
NRYWH1P5VDNF	NRYWH1P9VDNAF		
NRYWH1P6VDNF	NRYWH1P12VDNAF		
NRYWH1P9VDNF	NRYWH1P24VDNAF		
NRYWH1P12VDNF	NRYWH1P48VDNAF		
NRYWH1P24VDNF	NRYWH1W5VDNAF		
NRYWH1P48VDNF	NRYWH1W6VDNAF		
NRYWH1W5VDNF	NRYWH1W9VDNAF		
NRYWH1W6VDNF	NRYWH1W12VDNAF		
NRYWH1W9VDNF	NRYWH1W24VDNAF		
NRYWH1W12VDNF	NRYWH1W48VDNAF		
NRYWH1W24VDNF	NRYWH1P5VDNCAF		
NRYWH1W48VDNF	NRYWH1P6VDNCAF		
NRYWH1P5VDNCF	NRYWH1P9VDNCAF		
NRYWH1P6VDNCF	NRYWH1P12VDNCAF		
NRYWH1P9VDNCF	NRYWH1P24VDNCAF		
NRYWH1P12VDNCF	NRYWH1P48VDNCAF		
NRYWH1P24VDNCF	NRYWH1W5VDNCAF		
NRYWH1P48VDNCF	NRYWH1W6VDNCAF		
NRYWH1W5VDNCF	NRYWH1W9VDNCAF		
NRYWH1W6VDNCF	NRYWH1W12VDNCAF		
NRYWH1W9VDNCF	NRYWH1W24VDNCAF		
NRYWH1W12VDNCF	NRYWH1W48VDNCAF		
NRYWH1W24VDNCF			

Prepared by NIC
Components TPMG, tpmg@niccomp.com

FEATURES

- SMALL SIZE, LOW POWER CONSUMPTION WITH UP TO 16A RATING
- 10,000V SURGE STRENGTH
- HIGH OPERATING TEMPERATURE (+105°C)
- RoHS AND REACH COMPLIANT
- UL FILE NUMBER E513045

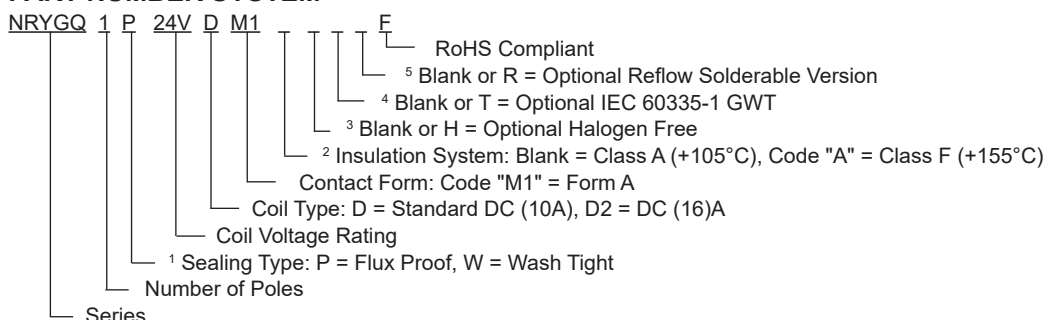


CHARACTERISTICS

*See Part Number System for Details

Type	SPST (D)	SPST (D2)
Rated Load (Resistive)	10A 250VAC/12A 125VAC 10A 30VDC/10A 277VAC	16A 277VAC
Rated Carrying Current	10A	16A
Contact Capacity	TV-5 120VAC	TV-8
Allowable Voltage (Max.)	AC 250V/DC 30V	AC 277
Allowable Current (Max.)	12A	16A
Allowable Power (Max.)	2,500VA/300W	4,432VA
Operation	Single Pole, Single Throw	Single Pole, Single Throw
Contact Material	Ag Alloy	Ag Alloy

PART NUMBER SYSTEM



OVERALL DIMENSIONS (mm): 18.2 x 10.0 x 14.9 (see page 4 for complete component dimensions)

INITIAL PERFORMANCE SPECIFICATIONS

Item	Performance
Contact Resistance	100mΩ Max.@1A,6VDC
Operate Time	10mSec. Max.
Release Time	5mSec. Max.
Dielectric Strength	Between Coil and Contact - 4,000VAC 50Hz/60Hz for 1 minute
	Between Contacts - 1,000VAC 50Hz/60Hz for 1 minute
Surge Strength	10,000V (between coil and contact 1.2x50μSec.)
Insulation Resistance	100MΩ min. at 500VDC
Max. On/Off Switching	Electrical - 6 cycles per minute
	Mechanical - 300 cycles per minute
Temperature Range	-40°C ~ +105°C
Humidity Range	45% ~ 85% Relative Humidity
Coil Temperature Rise	+40°C max.
Vibration	Destruction - 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
	Malfunction - 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
Shock	Destruction - 1,000mS ²
	Malfunction - 100mS ²
Life Expectancy	Electrical - 10 ⁵ Operations at Rated Resistive Load, 2.5x10 ⁴ Operations at TV Rated load
	Mechanical - 10 ⁷ Operations at no load condition
Component Weight	9.0g



DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, STANDARD COIL, **FORM A**, AgSnO₂, STANDARD INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1P5VDM1F	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1P6VDM1F	6	6V	33.3	180				
NRYGQ1P12VDM1F	12	12V	16.7	720				
NRYGQ1P24VDM1F	24	24V	8.3	2,880				

* See part numbering system for available options and appropriate code. Contact NIC for reflow solderable and glow wire options.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, STANDARD COIL, **FORM A**, AgSnO₂, STANDARD INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1W5VDM1F	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1W6VDM1F	6	6V	33.3	180				
NRYGQ1W12VDM1F	12	12V	16.7	720				
NRYGQ1W24VDM1F	24	24V	8.3	2,880				

* See part numbering system for available options and appropriate code. Contact NIC for reflow solderable and glow wire options.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, D2 COIL, **FORM A**, AgSnO₂, STANDARD INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1P5VD2M1F	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1P6VD2M1F	6	6V	33.3	180				
NRYGQ1P12VD2M1F	12	12V	16.7	720				
NRYGQ1P24VD2M1F	24	24V	8.3	2,880				

* See part numbering system for available options and appropriate code. Contact NIC for reflow solderable and glow wire options.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, D2 COIL, **FORM A**, AgSnO₂, STANDARD INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1W5VD2M1F	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1W6VD2M1F	6	6V	33.3	180				
NRYGQ1W12VD2M1F	12	12V	16.7	720				
NRYGQ1W24VD2M1F	24	24V	8.3	2,880				

* See part numbering system for available options and appropriate code. Contact NIC for reflow solderable and glow wire options.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, STANDARD COIL, **FORM A**, AgSnO₂, F CLASS INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1P5VDM1AF	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1P6VDM1AF	6	6V	33.3	180				
NRYGQ1P12VDM1AF	12	12V	16.7	720				
NRYGQ1P24VDM1AF	24	24V	8.3	2,880				

* See part numbering system for available options and appropriate code. Contact NIC for reflow solderable and glow wire options.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, STANDARD COIL, **FORM A**, AgSnO₂, F CLASS INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1W5VDM1AF	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1W6VDM1AF	6	6V	33.3	180				
NRYGQ1W12VDM1AF	12	12V	16.7	720				
NRYGQ1W24VDM1AF	24	24V	8.3	2,880				

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DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, D2 COIL, **FORM A**, AgSnO₂, F CLASS INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1P5VD2M1AF	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1P6VD2M1AF	6	6V	33.3	180				
NRYGQ1P12VD2M1AF	12	12V	16.7	720				
NRYGQ1P24VD2M1AF	24	24V	8.3	2,880				

* See part numbering system for available options and appropriate code. Contact NIC for reflow solderable and glow wire options.

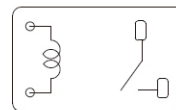
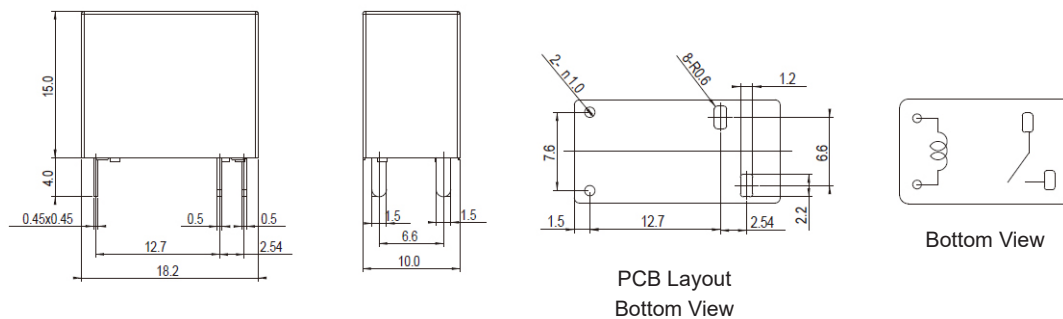
DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, D2 COIL, **FORM A**, AgSnO₂, F CLASS INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRYGQ1W5VD2M1AF	5	5V	40	125	0.20	80% max.	5% min.	110%
NRYGQ1W6VD2M1AF	6	6V	33.3	180				
NRYGQ1W12VD2M1AF	12	12V	16.7	720				
NRYGQ1W24VD2M1AF	24	24V	8.3	2,880				

* See part numbering system for available options and appropriate code. Contact NIC for reflow solderable and glow wire options.

DIMENSIONS (mm)



Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

TUBE PACKAGING

Package Quantities	
Parts Per Tube	25
Tubes Per Box	80
Parts Per Box	2,000