

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
NRYFM2P110VDMSAF	NRYFM2P15VDNSAF	NRYFM2P48VDGAF	NRYFM2P60VDMSAF
NRYFM2P110VDMSF	NRYFM2P15VDNSF	NRYFM2P48VDGF	NRYFM2P60VDMSF
NRYFM2P60VDNGAF	NRYFM2W12VDMGAF	NRYFM2W48VDMSAF	NRYFM2W9VDMSAF
NRYFM2P60VDNGF	NRYFM2W12VDMSAF	NRYFM2W48VDMSF	NRYFM2W9VDMSF
NRYFM2P60VDNSAF	NRYFM2W12VDMSF	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
NRYFM2P6VDMSAF	NRYFM2W15VDMGAF	NRYFM2W5VDMSAF	NRYGQ1W12VDMF
NRYFM2P6VDMSF	NRYFM2W15VDMSAF	NRYFM2W5VDMSF	NRYGQ1W24VDMF
NRYFM2P6VDNGAF	NRYFM2W15VDMSF	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	NRYFM2W60VDMSAF	NRYGQ1P12VD2M1AF
NRYFM2P9VDMGF	NRYFM2W18VDMSAF	NRYFM2W60VDMSF	NRYGQ1P12VD2M1F
NRYFM2P9VDMSAF	NRYFM2W18VDMSF	NRYFM2W60VDNGAF	NRYGQ1P12VDM1AF
NRYFM2P9VDMSF	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	NRYFM2W24VDMSAF	NRYFM2W6VDMSAF	NRYGQ1P5VDM1AF
NRYFM2W110VDMGAF	NRYFM2W24VDMSF	NRYFM2W6VDMSF	NRYGQ1P5VDM1F
NRYFM2W110VDMSAF	NRYFM2W24VDNGAF	NRYFM2W6VDNGAF	NRYGQ1P6VD2M1AF
NRYFM2W110VDMSF	NRYFM2W24VDNGF	NRYFM2W6VDNGF	NRYGQ1P6VD2M1F
NRYFM2W110VDNGAF	NRYFM2W24VDNSAF	NRYFM2W6VDNSAF	NRYGQ1P6VDM1AF
NRYFM2W110VDNGF	NRYFM2W24VDNSF	NRYFM2W6VDNSF	NRYGQ1P6VDM1F
NRYFM2W110VDNSAF	NRYFM2W24VDSAF	NRYFM2W6VDSAF	NRYGQ1W12VD2M1AF
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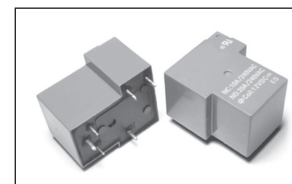
EOL Part Numbers	EOL Part Numbers	EOL Part Numbers	EOL Part Numbers
NRYFM2W110VDSAF	NRYFM2W48VDGAF	NRYFM2W9VDGAF	NRYGQ1W24VD2M1AF
NRYFM2W110VDSF	NRYFM2W48VDMGAF	NRYFM2W9VDMGAF	NRYGQ1W24VD2M1F
NRYGQ1W5VD2M1AF	NRYML1P12VDMF	NRYWH1P48VDF	NRYWH1W6VDCAF
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NRYGQ1W6VD2M1AF	NRYML1P48VDMF	NRYWH1W6VDF	NRYWH1W12VDCAF
NRYGQ1W6VD2M1F	NRYML1P60VDMF	NRYWH1W9VDF	NRYWH1W24VDCAF
NRYGU1W5VDMF	NRYML1W6VDMF	NRYWH1W12VDF	NRYWH1W48VDCAF
NRYGU1W5VDF	NRYML1P5VDMAF	NRYWH1W24VDF	NRYWH1P5VDMF
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NRYGU1W12VDMQF	NRYML1P24VDMAF	NRYWH1P6VDCF	NRYWH1P12VDMF
NRYGU1W12VDMF	NRYML1P48VDMAF	NRYWH1P9VDCF	NRYWH1P24VDMF
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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		
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NRYWH1P6VDMCAF	NRYWH1P6VDNAF		
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NRYWH1P48VDNF	NRYWH1W6VDNAF		
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NRYWH1W5VDNCF	NRYWH1W9VDNCAF		
NRYWH1W6VDNCF	NRYWH1W12VDNCAF		
NRYWH1W9VDNCF	NRYWH1W24VDNCAF		
NRYWH1W12VDNCF	NRYWH1W48VDNCAF		
NRYWH1W24VDNCF			

Prepared by NIC
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FEATURES

- SWITCHING CAPABILITY TO 30A
- 1,500VAC DIELECTRIC STRENGTH
- UL CLASS F INSULATION AVAILABLE
- RoHS AND REACH COMPLIANT
- ALSO AVAILABLE HALOGEN FREE
- UL FILE NUMBER E513045

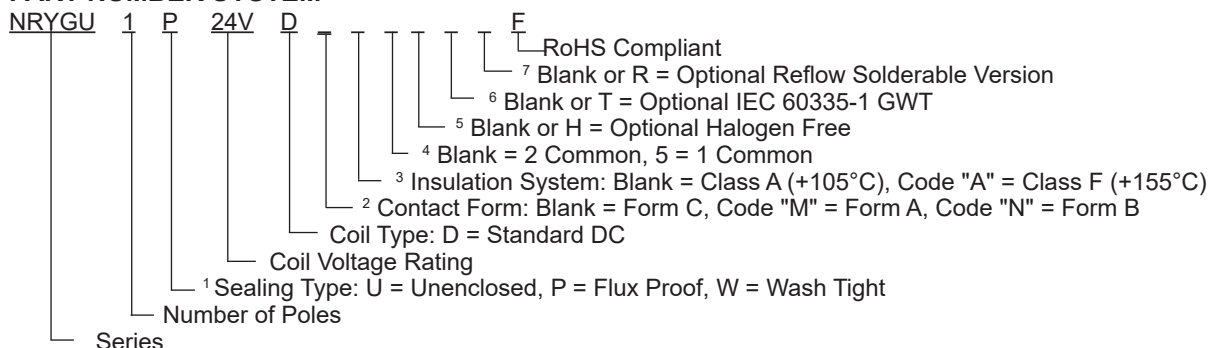


CHARACTERISTICS

*See Part Number System for Details

Type	SPST	SPDT
Rated Load (Resistive)	30A 120VAC/30A 240VAC/30A 30VDC	NC: 20A 240VAC/10A 30VDC NO: 30A 240VAC/20A 30VDC
Contact Capacity	NO: TV-8 120VAC/1-1/2HP 240VAC	NO: TV-8 120VAC/1-1/2HP 240VAC NC: 1/2HP 240VAC
Rated Carrying Current	30A	
Allowable Voltage (Max.)	AC 240V	
Allowable Current (Max.)	30A	
Allowable Power (Max.)	7,200VA/900W	7,200VA/600W
Operation	Single Pole, Single Throw	Single Pole, Double Throw
Contact Material	Ag Alloy	

PART NUMBER SYSTEM



OVERALL DIMENSIONS (mm): 32.1x27.5x20.0 (see drawing on pages 14 & 15 for all component dimensions)

INITIAL PERFORMANCE SPECIFICATIONS

Item	Performance
Contact Resistance	100mΩ Max.@1A,6VDC
Operate Time	15mSec. Max. (DC coil)
Release Time	10mSec. Max. (DC coil)
Dielectric Strength	Between Coil and Contact - 1,500VAC 50Hz/60Hz for 1 minute
	Between Contacts - 1,500VAC 50Hz/60Hz for 1 minute
Insulation Resistance	100MΩ min. at 500VDC
Max. On/Off Switching	Electrical - 6 cycles per minute
	Mechanical - 300 cycles per minute
Temperature Range	-25°C ~ +55°C
Humidity Range	45% ~ 85% Relative Humidity
Coil Temperature Rise	+60°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 - 1,000m/S ²
	Malfunction - 50m/S ²
Life Expectancy	Electrical - 10 ⁵ Operations at Rated Resistive Load
	Mechanical - 10 ⁷ Operations at No load condition
Component Weight	Open Type 21.6g, Flow Solder Type 27.2g



DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM C**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1U5VDF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDF	6	6V	150	40				
NRYGU1U9VDF	9	9V	93	97				
NRYGU1U12VDF	12	12V	77	155				
NRYGU1U18VDF	18	18V	47	380				
NRYGU1U24VDF	24	24V	36	660				
NRYGU1U48VDF	48	48V	19.4	2,480				
NRYGU1U110VDF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM C**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1P5VDF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDF	6	6V	150	40				
NRYGU1P9VDF	9	9V	93	97				
NRYGU1P12VDF	12	12V	77	155				
NRYGU1P18VDF	18	18V	47	380				
NRYGU1P24VDF	24	24V	36	660				
NRYGU1P48VDF	48	48V	19.4	2,480				
NRYGU1P110VDF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM C**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1W5VDF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDF	6	6V	150	40				
NRYGU1W9VDF	9	9V	93	97				
NRYGU1W12VDF	12	12V	77	155				
NRYGU1W18VDF	18	18V	47	380				
NRYGU1W24VDF	24	24V	36	660				
NRYGU1W48VDF	48	48V	19.4	2,480				
NRYGU1W110VDF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.



DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM C**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1U5VDAF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDAF	6	6V	150	40				
NRYGU1U9VDAF	9	9V	93	97				
NRYGU1U12VDAF	12	12V	77	155				
NRYGU1U18VDAF	18	18V	47	380				
NRYGU1U24VDAF	24	24V	36	660				
NRYGU1U48VDAF	48	48V	19.4	2,480				
NRYGU1U110VDAF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM C**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1P5VDAF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDAF	6	6V	150	40				
NRYGU1P9VDAF	9	9V	93	97				
NRYGU1P12VDAF	12	12V	77	155				
NRYGU1P18VDAF	18	18V	47	380				
NRYGU1P24VDAF	24	24V	36	660				
NRYGU1P48VDAF	48	48V	19.4	2,480				
NRYGU1P110VDAF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM C**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1W5VDAF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDAF	6	6V	150	40				
NRYGU1W9VDAF	9	9V	93	97				
NRYGU1W12VDAF	12	12V	77	155				
NRYGU1W18VDAF	18	18V	47	380				
NRYGU1W24VDAF	24	24V	36	660				
NRYGU1W48VDAF	48	48V	19.4	2,480				
NRYGU1W110VDAF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM C**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1U5VD5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VD5F	6	6V	150	40				
NRYGU1U9VD5F	9	9V	93	97				
NRYGU1U12VD5F	12	12V	77	155				
NRYGU1U18VD5F	18	18V	47	380				
NRYGU1U24VD5F	24	24V	36	660				
NRYGU1U48VD5F	48	48V	19.4	2,480				
NRYGU1U110VD5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM C**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1P5VD5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VD5F	6	6V	150	40				
NRYGU1P9VD5F	9	9V	93	97				
NRYGU1P12VD5F	12	12V	77	155				
NRYGU1P18VD5F	18	18V	47	380				
NRYGU1P24VD5F	24	24V	36	660				
NRYGU1P48VD5F	48	48V	19.4	2,480				
NRYGU1P110VD5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM C**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1W5VD5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VD5F	6	6V	150	40				
NRYGU1W9VD5F	9	9V	93	97				
NRYGU1W12VD5F	12	12V	77	155				
NRYGU1W18VD5F	18	18V	47	380				
NRYGU1W24VD5F	24	24V	36	660				
NRYGU1W48VD5F	48	48V	19.4	2,480				
NRYGU1W110VD5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM C**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1U5VDA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDA5F	6	6V	150	40				
NRYGU1U9VDA5F	9	9V	93	97				
NRYGU1U12VDA5F	12	12V	77	155				
NRYGU1U18VDA5F	18	18V	47	380				
NRYGU1U24VDA5F	24	24V	36	660				
NRYGU1U48VDA5F	48	48V	19.4	2,480				
NRYGU1U110VDA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM C**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1P5VDA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDA5F	6	6V	150	40				
NRYGU1P9VDA5F	9	9V	93	97				
NRYGU1P12VDA5F	12	12V	77	155				
NRYGU1P18VDA5F	18	18V	47	380				
NRYGU1P24VDA5F	24	24V	36	660				
NRYGU1P48VDA5F	48	48V	19.4	2,480				
NRYGU1P110VDA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM C**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1W5VDA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDA5F	6	6V	150	40				
NRYGU1W9VDA5F	9	9V	93	97				
NRYGU1W12VDA5F	12	12V	77	155				
NRYGU1W18VDA5F	18	18V	47	380				
NRYGU1W24VDA5F	24	24V	36	660				
NRYGU1W48VDA5F	48	48V	19.4	2,480				
NRYGU1W110VDA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM A**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1U5VDMF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDMF	6	6V	150	40				
NRYGU1U9VDMF	9	9V	93	97				
NRYGU1U12VDMF	12	12V	77	155				
NRYGU1U18VDMF	18	18V	47	380				
NRYGU1U24VDMF	24	24V	36	660				
NRYGU1U48VDMF	48	48V	19.4	2,480				
NRYGU1U110VDMF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM A**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1P5VDMF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDMF	6	6V	150	40				
NRYGU1P9VDMF	9	9V	93	97				
NRYGU1P12VDMF	12	12V	77	155				
NRYGU1P18VDMF	18	18V	47	380				
NRYGU1P24VDMF	24	24V	36	660				
NRYGU1P48VDMF	48	48V	19.4	2,480				
NRYGU1P110VDMF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM A**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1W5VDMF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDMF	6	6V	150	40				
NRYGU1W9VDMF	9	9V	93	97				
NRYGU1W12VDMF	12	12V	77	155				
NRYGU1W18VDMF	18	18V	47	380				
NRYGU1W24VDMF	24	24V	36	660				
NRYGU1W48VDMF	48	48V	19.4	2,480				
NRYGU1W110VDMF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM A**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1U5VDMF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDMF	6	6V	150	40				
NRYGU1U9VDMF	9	9V	93	97				
NRYGU1U12VDMF	12	12V	77	155				
NRYGU1U18VDMF	18	18V	47	380				
NRYGU1U24VDMF	24	24V	36	660				
NRYGU1U48VDMF	48	48V	19.4	2,480				
NRYGU1U110VDMF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM A**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1P5VDMF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDMF	6	6V	150	40				
NRYGU1P9VDMF	9	9V	93	97				
NRYGU1P12VDMF	12	12V	77	155				
NRYGU1P18VDMF	18	18V	47	380				
NRYGU1P24VDMF	24	24V	36	660				
NRYGU1P48VDMF	48	48V	19.4	2,480				
NRYGU1P110VDMF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM A**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1W5VDMF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDMF	6	6V	150	40				
NRYGU1W9VDMF	9	9V	93	97				
NRYGU1W12VDMF	12	12V	77	155				
NRYGU1W18VDMF	18	18V	47	380				
NRYGU1W24VDMF	24	24V	36	660				
NRYGU1W48VDMF	48	48V	19.4	2,480				
NRYGU1W110VDMF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM A**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1U5VDM5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDM5F	6	6V	150	40				
NRYGU1U9VDM5F	9	9V	93	97				
NRYGU1U12VDM5F	12	12V	77	155				
NRYGU1U18VDM5F	18	18V	47	380				
NRYGU1U24VDM5F	24	24V	36	660				
NRYGU1U48VDM5F	48	48V	19.4	2,480				
NRYGU1U110VDM5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM A**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1P5VDM5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDM5F	6	6V	150	40				
NRYGU1P9VDM5F	9	9V	93	97				
NRYGU1P12VDM5F	12	12V	77	155				
NRYGU1P18VDM5F	18	18V	47	380				
NRYGU1P24VDM5F	24	24V	36	660				
NRYGU1P48VDM5F	48	48V	19.4	2,480				
NRYGU1P110VDM5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM A**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1W5VDM5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDM5F	6	6V	150	40				
NRYGU1W9VDM5F	9	9V	93	97				
NRYGU1W12VDM5F	12	12V	77	155				
NRYGU1W18VDM5F	18	18V	47	380				
NRYGU1W24VDM5F	24	24V	36	660				
NRYGU1W48VDM5F	48	48V	19.4	2,480				
NRYGU1W110VDM5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM A**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1U5VDMA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDMA5F	6	6V	150	40				
NRYGU1U9VDMA5F	9	9V	93	97				
NRYGU1U12VDMA5F	12	12V	77	155				
NRYGU1U18VDMA5F	18	18V	47	380				
NRYGU1U24VDMA5F	24	24V	36	660				
NRYGU1U48VDMA5F	48	48V	19.4	2,480				
NRYGU1U110VDMA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM A**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1P5VDMA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDMA5F	6	6V	150	40				
NRYGU1P9VDMA5F	9	9V	93	97				
NRYGU1P12VDMA5F	12	12V	77	155				
NRYGU1P18VDMA5F	18	18V	47	380				
NRYGU1P24VDMA5F	24	24V	36	660				
NRYGU1P48VDMA5F	48	48V	19.4	2,480				
NRYGU1P110VDMA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM A**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1W5VDMA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDMA5F	6	6V	150	40				
NRYGU1W9VDMA5F	9	9V	93	97				
NRYGU1W12VDMA5F	12	12V	77	155				
NRYGU1W18VDMA5F	18	18V	47	380				
NRYGU1W24VDMA5F	24	24V	36	660				
NRYGU1W48VDMA5F	48	48V	19.4	2,480				
NRYGU1W110VDMA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM B**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1U5VDNF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDNF	6	6V	150	40				
NRYGU1U9VDNF	9	9V	93	97				
NRYGU1U12VDNF	12	12V	77	155				
NRYGU1U18VDNF	18	18V	47	380				
NRYGU1U24VDNF	24	24V	36	660				
NRYGU1U48VDNF	48	48V	19.4	2,480				
NRYGU1U110VDNF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM A**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1P5VDNF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDNF	6	6V	150	40				
NRYGU1P9VDNF	9	9V	93	97				
NRYGU1P12VDNF	12	12V	77	155				
NRYGU1P18VDNF	18	18V	47	380				
NRYGU1P24VDNF	24	24V	36	660				
NRYGU1P48VDNF	48	48V	19.4	2,480				
NRYGU1P110VDNF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM A**, AgSnO₂, STANDARD INSULATION, 2 COMMON)

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					
NRYGU1W5VDNF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDNF	6	6V	150	40				
NRYGU1W9VDNF	9	9V	93	97				
NRYGU1W12VDNF	12	12V	77	155				
NRYGU1W18VDNF	18	18V	47	380				
NRYGU1W24VDNF	24	24V	36	660				
NRYGU1W48VDNF	48	48V	19.4	2,480				
NRYGU1W110VDNF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM B**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1U5VDNAF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDNAF	6	6V	150	40				
NRYGU1U9VDNAF	9	9V	93	97				
NRYGU1U12VDNAF	12	12V	77	155				
NRYGU1U18VDNAF	18	18V	47	380				
NRYGU1U24VDNAF	24	24V	36	660				
NRYGU1U48VDNAF	48	48V	19.4	2,480				
NRYGU1U110VDNAF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM B**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1P5VDNAF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDNAF	6	6V	150	40				
NRYGU1P9VDNAF	9	9V	93	97				
NRYGU1P12VDNAF	12	12V	77	155				
NRYGU1P18VDNAF	18	18V	47	380				
NRYGU1P24VDNAF	24	24V	36	660				
NRYGU1P48VDNAF	48	48V	19.4	2,480				
NRYGU1P110VDNAF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM B**, AgSnO₂, F CLASS INSULATION, 2 COMMON)

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					
NRYGU1W5VDNAF	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDNAF	6	6V	150	40				
NRYGU1W9VDNAF	9	9V	93	97				
NRYGU1W12VDNAF	12	12V	77	155				
NRYGU1W18VDNAF	18	18V	47	380				
NRYGU1W24VDNAF	24	24V	36	660				
NRYGU1W48VDNAF	48	48V	19.4	2,480				
NRYGU1W110VDNAF	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM B**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1U5VDN5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDN5F	6	6V	150	40				
NRYGU1U9VDN5F	9	9V	93	97				
NRYGU1U12VDN5F	12	12V	77	155				
NRYGU1U18VDN5F	18	18V	47	380				
NRYGU1U24VDN5F	24	24V	36	660				
NRYGU1U48VDN5F	48	48V	19.4	2,480				
NRYGU1U110VDN5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM B**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1P5VDN5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDN5F	6	6V	150	40				
NRYGU1P9VDN5F	9	9V	93	97				
NRYGU1P12VDN5F	12	12V	77	155				
NRYGU1P18VDN5F	18	18V	47	380				
NRYGU1P24VDN5F	24	24V	36	660				
NRYGU1P48VDN5F	48	48V	19.4	2,480				
NRYGU1P110VDN5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM B**, AgSnO₂, STANDARD INSULATION, 1 COMMON)

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					
NRYGU1W5VDN5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDN5F	6	6V	150	40				
NRYGU1W9VDN5F	9	9V	93	97				
NRYGU1W12VDN5F	12	12V	77	155				
NRYGU1W18VDN5F	18	18V	47	380				
NRYGU1W24VDN5F	24	24V	36	660				
NRYGU1W48VDN5F	48	48V	19.4	2,480				
NRYGU1W110VDN5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(UNENCLOSED, **FORM B**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1U5VDNA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1U6VDNA5F	6	6V	150	40				
NRYGU1U9VDNA5F	9	9V	93	97				
NRYGU1U12VDNA5F	12	12V	77	155				
NRYGU1U18VDNA5F	18	18V	47	380				
NRYGU1U24VDNA5F	24	24V	36	660				
NRYGU1U48VDNA5F	48	48V	19.4	2,480				
NRYGU1U110VDNA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

DC COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, **FORM B**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1P5VDNA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1P6VDNA5F	6	6V	150	40				
NRYGU1P9VDNA5F	9	9V	93	97				
NRYGU1P12VDNA5F	12	12V	77	155				
NRYGU1P18VDNA5F	18	18V	47	380				
NRYGU1P24VDNA5F	24	24V	36	660				
NRYGU1P48VDNA5F	48	48V	19.4	2,480				
NRYGU1P110VDNA5F	110	110V	8.5	13,000				

* See part numbering system for available options and appropriate code.

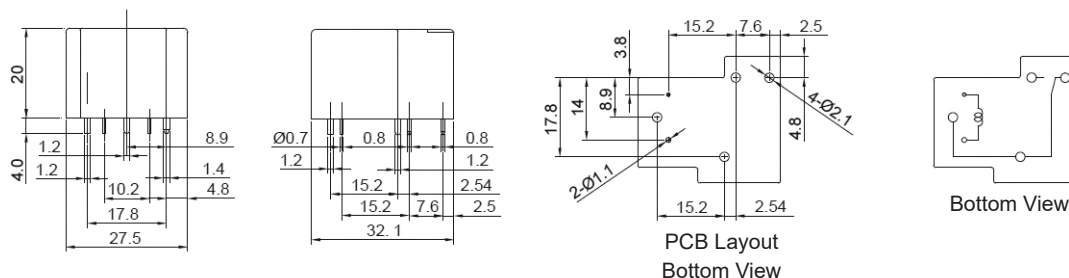
DC COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, **FORM B**, AgSnO₂, F CLASS INSULATION, 1 COMMON)

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					
NRYGU1W5VDNA5F	5	5V	185	27	0.93	80% max.	5% min.	150% for short time current carrying
NRYGU1W6VDNA5F	6	6V	150	40				
NRYGU1W9VDNA5F	9	9V	93	97				
NRYGU1W12VDNA5F	12	12V	77	155				
NRYGU1W18VDNA5F	18	18V	47	380				
NRYGU1W24VDNA5F	24	24V	36	660				
NRYGU1W48VDNA5F	48	48V	19.4	2,480				
NRYGU1W110VDNA5F	110	110V	8.5	13,000				

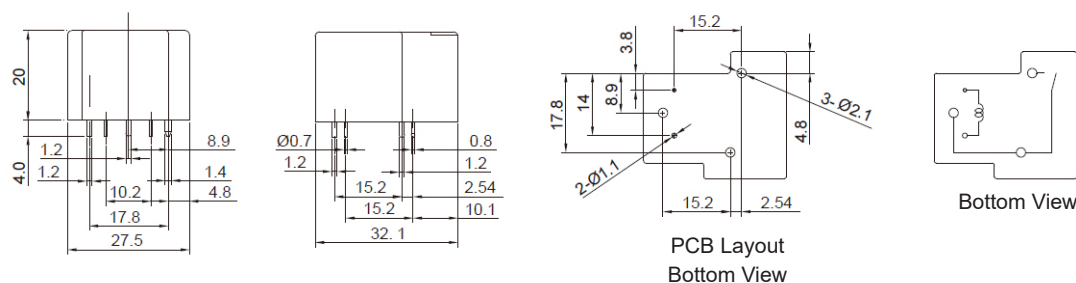
* See part numbering system for available options and appropriate code.

FORM "C" ENCLOSED 2 COMMON TERMINAL 6 PIN DIMENSIONS (mm)



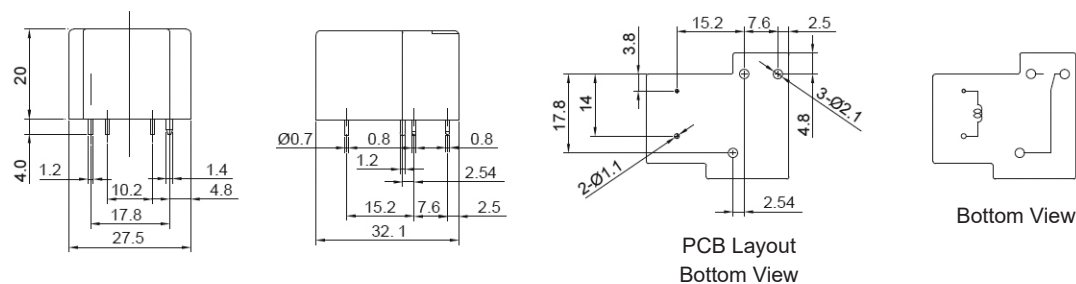
Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

FORM "A" ENCLOSED 2 COMMON TERMINAL 5 PIN DIMENSIONS (mm)



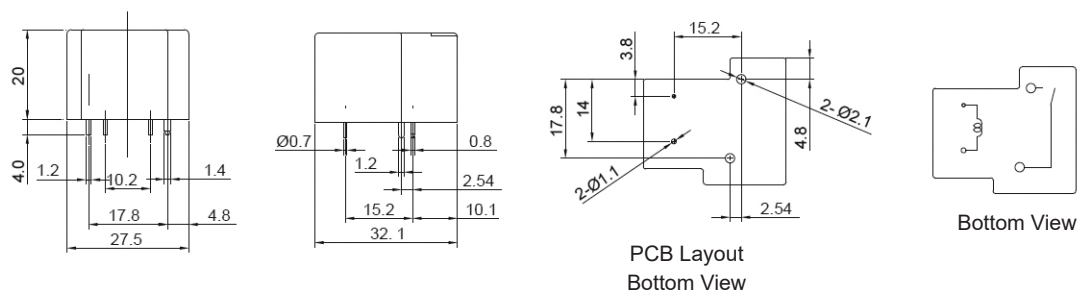
Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

FORM "C" ENCLOSED 1 COMMON TERMINAL 5 PIN DIMENSIONS (mm)



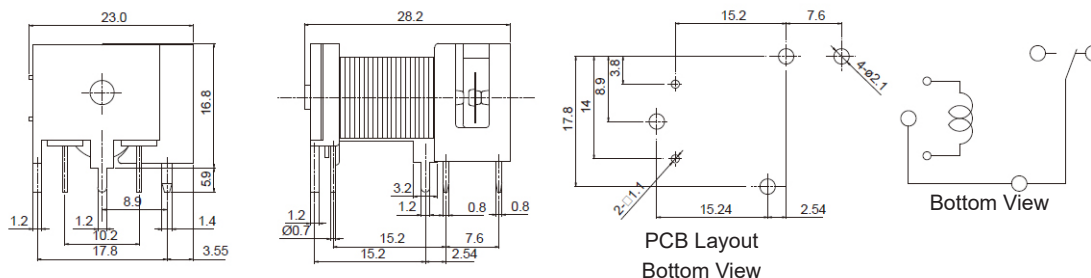
Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

FORM "A" ENCLOSED 1 COMMON TERMINAL 4 PIN DIMENSIONS (mm)



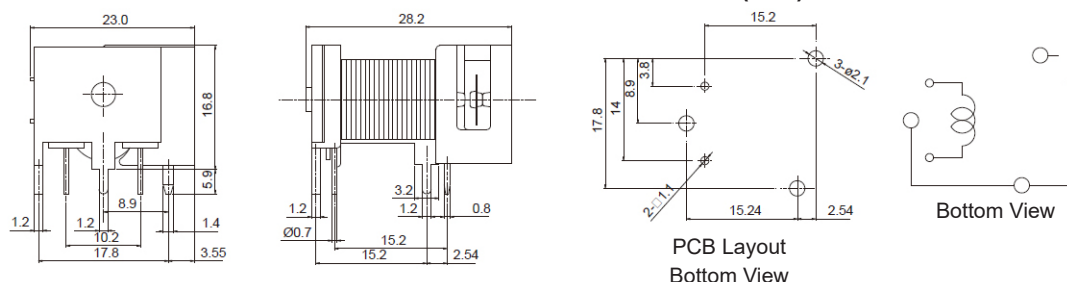
Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

FORM "C" UNENCLOSED 2 COMMON TERMINAL 6 PIN DIMENSIONS (mm)



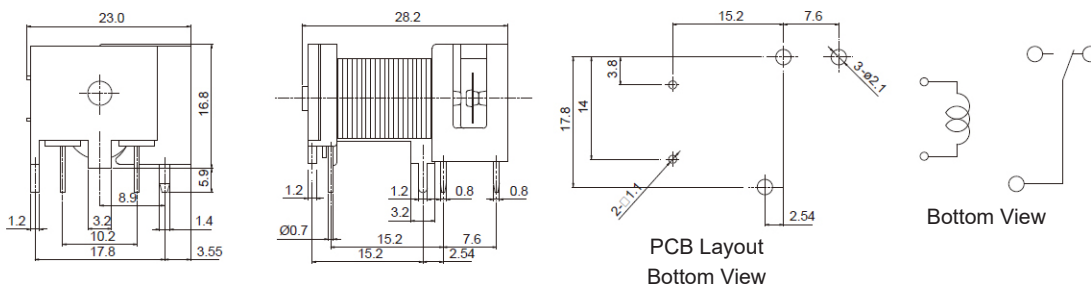
Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

FORM "A" UNENCLOSED 2 COMMON TERMINAL 5 PIN DIMENSIONS (mm)



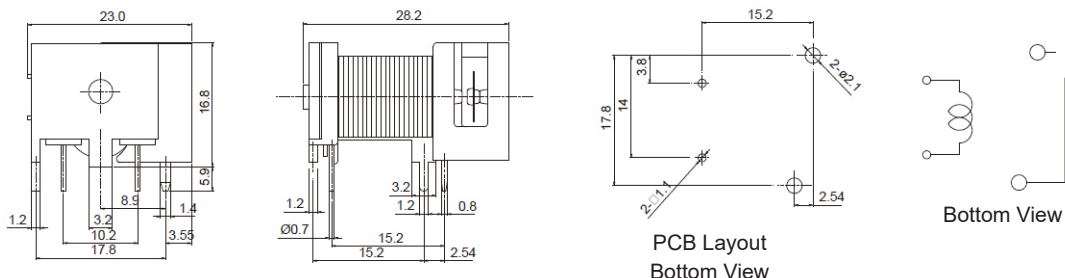
Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

FORM "C" UNENCLOSED 1 COMMON TERMINAL 5 PIN 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 $\pm 0.1\text{mm}$.

FORM "A" UNENCLOSED 1 COMMON TERMINAL 4 PIN 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 $\pm 0.1\text{mm}$.

TRAY PACKAGING

Package Quantities	
Parts Per Tray	20
Trays Per Box	20
Parts Per Box	400

