

Product datasheet

Specifications



Plug in relay, Harmony Relay with suppressor, RHN, instantaneous, 4 C/O, 27 V DC, 5 A

RHN412BEA76TQ

⚠ Discontinued on: 4 Jul 2022

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Main

Range of product	Harmony Relay
Product or component type	Plug-in relay
Device short name	RHN
Contacts type and composition	4 C/O
Contact operation	Standard Instantaneous
[Uc] control circuit voltage	27 V DC
[Ithe] conventional enclosed thermal current	5 A 40 °C
status LED	Without
Control type	Manual control
Coil interference suppression	With

Complementary

[Ui] rated insulation voltage	250 V
Test levels	Level A group mounting
Operating position	Any position
Minimum switching capacity	150 mVA at 10 mA 150 mVA, 1 V
Contact bounce time	≤ 10 ms
Maximum voltage drop	< 100 V for 3 A at 24 V
Average resistance	30 mOhm at 20 °C
Average coil consumption	1.6 W at 20 °C
Control circuit voltage limits	0.8...1.1 U _c conforming to IEC 60255
Drop-out voltage threshold	0.1...0.3 U _c
Time constant	12 ms for open contact(s) 15 ms for closed contact(s)
Mechanical durability	20000000 cycles
maximum operating rate	6 cyc/mn
Operating time	1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation 10...20 ms between energisation of coil and closing of NO contact at 20 °C 2...7 ms between de-energisation of coil and closing of NC contact at 20 °C
CAD overall width	33 mm

CAD overall height	43 mm
CAD overall depth	54 mm
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO (21-22-24)OC (41-42-44)OC (31-32-34)OC
Net weight	0.09 kg
Compatibility code	RHN

Environment

Standards	IEC 60255 NF C 45-250 BS 4794 VDE 0435
Product certifications	CSA BV UR USSR ASE EDF
Protective treatment	TC
Dielectric strength	2500 V
Ambient air temperature for operation	-5...40 °C conforming to IEC 60255
Ambient air temperature for storage	-40...70 °C
Vibration resistance	6 gn (f= 10...55 Hz) conforming to IEC 60068-2-6 6 gn (f= 10...55 Hz) conforming to NF C 20-616
Shock resistance	50 gn for 11 ms conforming to NF C 20-608

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15 cm
Package 1 Width	30 cm
Package 1 Length	40 cm
Package 1 Weight	80 g

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant](#)

Use Longer



Lifetime extension

Repair

No