

Product datasheet

Specifications



Hermetically sealed plug-in relay, Harmony Electromechanical relay, 5A, 4 CO, 12V DC

782XDXH21-12D

Main

Range of product	Harmony Electromechanical Relays
Series name	782H series
Product or component type	Plug-in relay
Contacts type and composition	4 C/O
Relay type	Hermetically sealed relay
status LED	Without
[Uc] control circuit voltage	12 V DC
cover options	Hermetically sealed
[Ithe] conventional enclosed thermal current	5 A
Local signalling	Without LED without lockable test button

Complementary

class number	782H
Minimum switching current	500 mA at 12 V AC 500 mA at 12 V DC
Electrical durability	100000 cycles resistive load conforming to IEC
Dielectric strength	1600 V AC between coil and contact 1600 V AC between poles
Control type	Without lockable test button
Coil resistance	160 Ohm
Average coil consumption	0.90 W
Response time	20 ms
Associated fuse rating	6 A gG at 400 V coordination type 2 for power circuit
Short-circuit current	1 kA
Average pole impedance	2 mOhm
Maximum switching voltage	240 V AC
[Ie] rated operational current	5 A at 120 V AC (on resistive load) 5 A at 240 V AC (on resistive load) 5 A at 30 V DC (on resistive load)
Mechanical durability	10000000 cycles
Contacts material	Silver alloy contacts
Shape of pin	Flat (faston type)
Width	22.75 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Height	32.5 mm
Depth	28.75 mm
Net weight	45 g

Environment

Shock resistance	10 gn
Vibration resistance	6 gn (f = 10...55 Hz)
Environmental characteristic	Hazardous location T5 70 °C tests
Product certifications	UL CSA CE
Ambient air temperature for storage	-60...85 °C
Ambient air temperature for operation	-45...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.875 cm
Package 1 Width	2.275 cm
Package 1 Length	2.875 cm
Package 1 Weight	45 g
Unit Type of Package 2	CAR
Number of Units in Package 2	100
Package 2 Height	18 cm
Package 2 Width	25.8 cm
Package 2 Length	33.5 cm
Package 2 Weight	5.4 kg

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 >](#)

Environmental footprint	
Total lifecycle Carbon footprint	10 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	9 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold

Use Longer

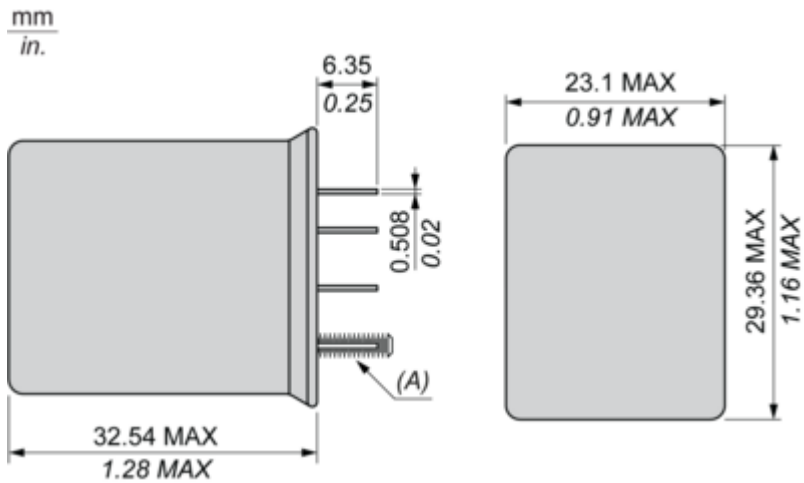
Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No

Dimensions Drawings

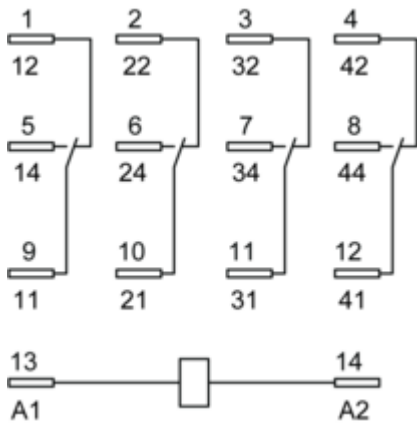
Dimensions



(A) : 0.312 (7.92) LONG #3-48 THREAD

Connections and Schema

Wiring



Technical Illustration

Dimensions

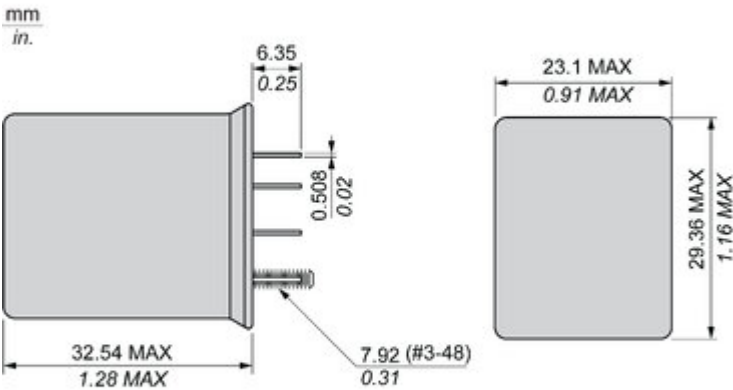


Image of product / Alternate images

Alternative





Image of product in real life situation

