

Product data sheet

Specifications



power relay, Harmony
Electromechanical Relays, DIN rail
or panel mount relay, 25A, 2NO,
with LED, with lockable test button,
screw type, 120V AC

725BXXSC3ML-120A

Main

Range of product	Harmony Electromechanical Relays
Series name	725 series
Product or component type	DIN rail/panel mount relay
Contacts type and composition	2 NO
Relay type	Power relay
status LED	With
[Uc] control circuit voltage	120 V AC
Network frequency	50/60 Hz
[Ithe] conventional enclosed thermal current	25 A
Local signalling	LED indicator test button

Complementary

class number	725
Minimum switching current	100 mA 5 V DC
Nominal input voltage	102...132 V AC 50/60 Hz
Electrical durability	100000 cycles resistive IEC
Dielectric strength	4000 V AC between coil and contact 2000 V AC between poles
Control type	Test button
Coil resistance	5200 Ohm
Average coil consumption	2.50 VA
Wire stripping length	0.3 in (8 mm)
Response time	30 ms
Associated fuse rating	32 A gG at 400 V coordination type 2 for power circuit
Short-circuit current	3 kA
Average pole impedance	2 mOhm
Maximum switching voltage	240 V CE 277 V UL
Drop-out voltage threshold	AC
Rated power in W	1.3 kW 120 V tungsten
Rated power in hp	1 hp 120 V AC 2 hp 277 V AC

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

[Ie] rated operational current	25 A 277 V AC on resistive load)UL 25 A 240 V AC general purpose)UL 25 A 30 V DC on resistive load)UL 25 A 240 V AC on resistive load)IEC 25 A 28 V DC on resistive load)IEC
Mechanical durability	5000000 cycles
Tightening torque	10.6...15 lb.in 1.2...1.7 N.m
Mounting support	DIN rail Panel
Contacts material	Silver alloy contacts
Shape of pin	Screw
Width	1.4 in (34.9 mm)
Height	2.7 in (67.7 mm)
Depth	2.1 in (53.9 mm)
Net weight	4.2 oz (120 g)

Environment

Standards	IEC 60947-1 UL 60947-4-1A
Product certifications	UL CSA CE
Ambient air temperature for storage	-67...212 °F (-55...100 °C)
Ambient air temperature for operation	-4...131 °F (-20...55 °C)
IP degree of protection	IP20

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.94 in (4.94 cm)
Package 1 Width	1.30 in (3.31 cm)
Package 1 Length	2.67 in (6.77 cm)
Package 1 Weight	4.2 oz (120.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.0 in (7.6 cm)
Package 2 Width	5.7 in (14.6 cm)
Package 2 Length	12.6 in (31.9 cm)
Package 2 Weight	2.6 lb(US) (1.2 kg)
Unit Type of Package 3	CAR
Number of Units in Package 3	100
Package 3 Height	13.0 in (33.0 cm)
Package 3 Width	12.2 in (31.0 cm)
Package 3 Length	14.2 in (36.0 cm)

Package 3 Weight	26.5 lb(US) (12.0 kg)
------------------	-----------------------

Contractual warranty

Warranty (in months)	18
----------------------	----



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	39 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2 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]	37 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
--------	----

Use Again

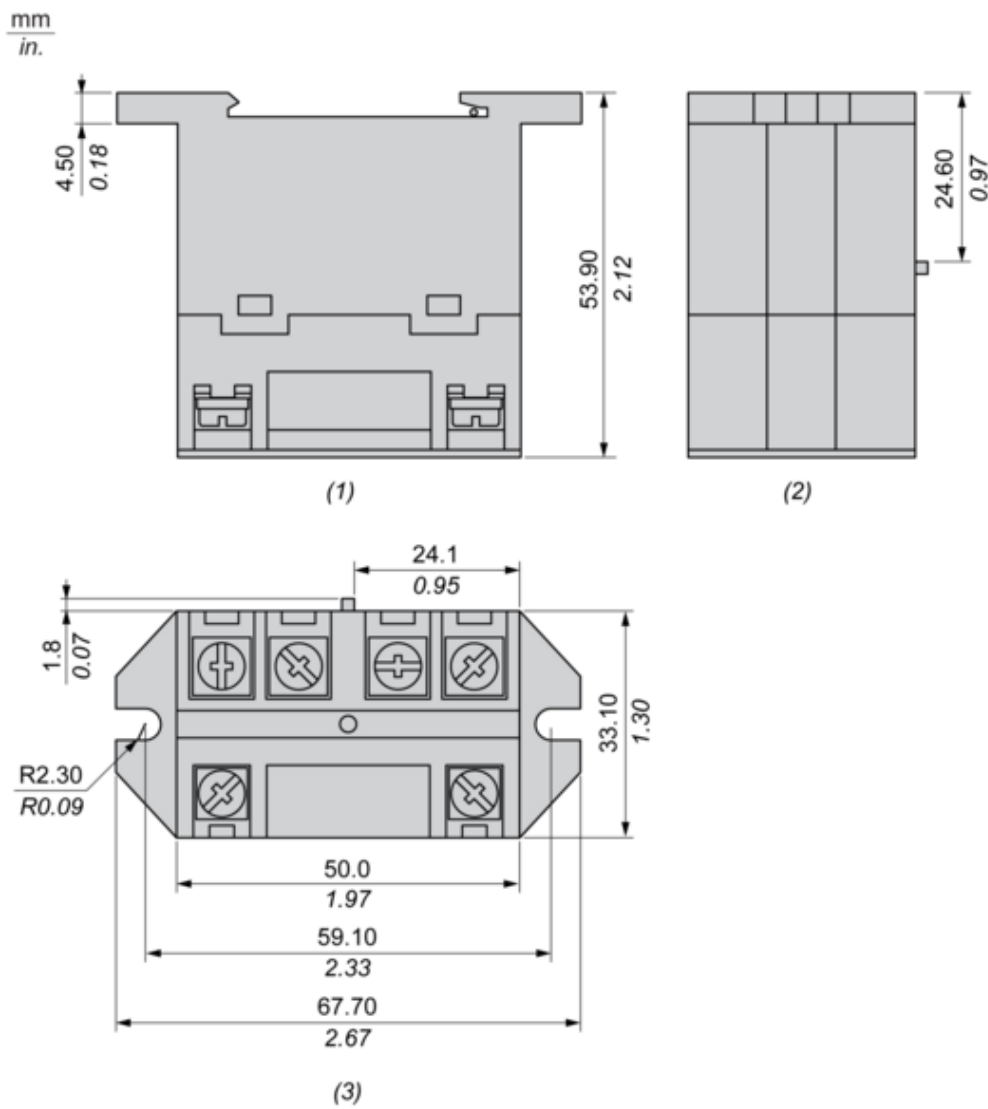


Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	Nej

Dimensions Drawings

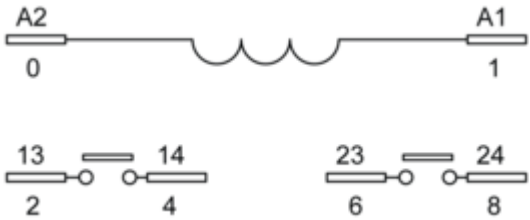
Dimensions



- (1) : Back View
- (2) : Side View
- (3) : Top View

Connections and Schema

Wiring



Technical Illustration

Dimensions

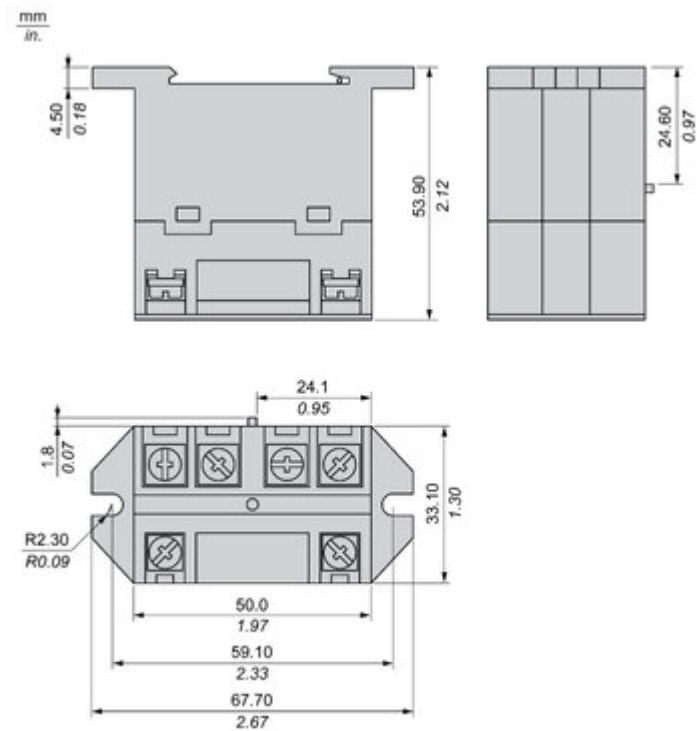


Image of product / Alternate images

Alternative





Image of product in real life situation

