Product data sheet

Specifications

multifunction relay, Harmony Timer Relays, 5A, 2CO, 0.02s...300h, on delay, 24...240V AC DC

RE48ATM12MW

Product availability: Stock - Normally stocked in distribution facility

Price*: 73.00 USD

Main

Range Of Product	Harmony Timer Relays
Product Or Component Type	Panel-mounted/plug-in timer relay
Electrical Connection	Plug-in sub-base 8
Width	1.89 in (48 mm)
Discrete Output Type	Relay
Contacts Type And Composition	2 C/O timed contacts, AgNi (cadmium free)
Component Name	RE48
Time Delay Type	Power on-delay
Time Delay Range	5...300 h 2...120 min 0.5...30 h 0.2...12 h 0.2...12 min 0.2...12 s 0.5...30 min 2...120 h 2...120 s 0.02...1.2 s 0.5...30 s 5...300 s 0.05...3 s 5...300 min
[Us] Rated Supply Voltage	24...240 V AC/DC 50/60 Hz
Voltage Range	0.85...1.1 Us AC 0.9...1.1 Us DC
Line Rated Current	5 A

Complementary

Product Front Plate Size	48 x 48 mm
Control Type	Selector switch front panel
Housing Material	Self-extinguishing
Repeat Accuracy	+/- 0.2 % of the maximum setting value IEC 61812-1
Temperature Drift	+/- 0.02 %/°C of the maximum setting value IEC 61812-1
Voltage Drift	+/- 0.2 %/V of the maximum setting value 48...240 V +/- 1 %/V of the maximum setting value 24...48 V
Setting Accuracy Of Time Delay	+/- 5 % of full scale 25 °C IEC 61812-1
Minimum Pulse Duration	20 ms

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Reset Time	25 ms on de-energisation
Pick Up Duration	55 ms
On-Load Factor	100 %
Power Consumption In Va	1.1 VA 24 V 4.8 VA 240 V
Power Consumption In W	0.5 W 24 V 1.7 W 240 V
Breaking Capacity	1250 VA
Minimum Switching Current	100 mA
Maximum Switching Current	5 A
Maximum Switching Voltage	250 V AC/DC
Electrical Durability	100000 cycles
Mechanical Durability	30000000 cycles
Output Voltage	240 V 5 A AC-12 30 V 2 A DC-13 240 V 1.5 A AC-15
Marking	CE
Surge Withstand	1 kV differential mode IEC 61000-4-5 level 3 2 kV common mode IEC 61000-4-5 level 3
Mounting Support	Panel mounted: system supplied with the product Base mounted: socket
Local Signalling	for output relay state 1 LED (yellow) for flashing: relay energised timing in progress LED indicator (green) for on steady: relay energised, no timing in progress LED indicator (green)
Function Available	A1- Delay on energization-2 C/O A2- Delay on energization-2 C/O H1-Pulse-on energization-2 C/O H2-Pulse-on energization-2 C/O
Control Type	Without test button
Net Weight	0.31 lb(US) (0.14 kg)
Shape Of Pin	Cylindrical
Number Of Functions	1

Environment

Humidity Drift	+/- 0.05 %/%RH of the maximum setting value IEC 61812-1
Immunity To Microbreaks	10 ms
Dielectric Strength	1 kV 1 mA/1 minute IEC 61812-1
Protection Against Electric Shocks	4 kV class III IEC 60664-1 4 kV class III IEC 61812-1
Standards	73/23/EEC 93/68/EEC EN 50082-1/2 89/336/EEC EN 50081-1/2 IEC 61812-1 IEC 60669-2-3
Product Certifications	UL cULus C-tick CSA
Ambient Air Temperature For Storage	-40…158 °F (-40…70 °C)

Life Is On | Schneider Electric

Ambient Air Temperature For Operation	-4…122 °F (-20…50 °C)
Ip Degree Of Protection	IP40 IEC 60529 housing) IP50 IEC 60529 front face)
Vibration Resistance	0.35 mm 10…55 Hz)IEC 60068-2-6
Relative Humidity	93 % without condensation IEC 60068-2-3
Resistance To Electrostatic Discharge	6 kV in contact IEC 61000-4-2 level 3 8 kV in air IEC 61000-4-2 level 3
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 26 MHz to 1 GHz IEC 61000-4-3 level 3
Resistance To Fast Transients	2 kV IEC 61000-4-4 level 4 capacitive connecting clip) 4 kV IEC 61000-4-4 level 4 direct)
Immunity To Radioelectric Fields	10 V 0.15...80 MHz)IEC 61000-4-6 level 3
Immunity To Voltage Dips	30 % / 10 ms IEC 61000-4-11 60 % / 100 ms IEC 61000-4-11 95 % / 5 s IEC 61000-4-11
Disturbance Radiated/Conducted	Class B 0.15...30 MHz EN 55022 (EN 55011 group 1)

Ordering and shipping details

Category	US10CP222370
Discount Schedule	0CP2
Gtin	3389110649727
Returnability	Yes
Country Of Origin	ID

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.24 in (5.7 cm)
Package 1 Width	4.13 in (10.5 cm)
Package 1 Length	2.44 in (6.2 cm)
Package 1 Weight	4.44 oz (126 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	30
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	9.37 lb(US) (4.252 kg)

Contractual warranty

Warranty	18 months

Life Is On | Schneider Electric

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.
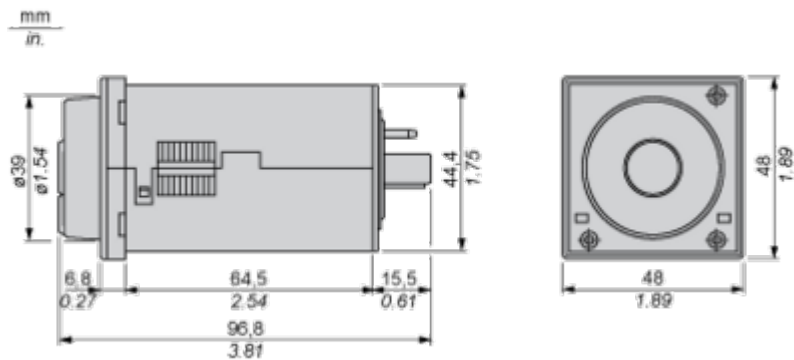
Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

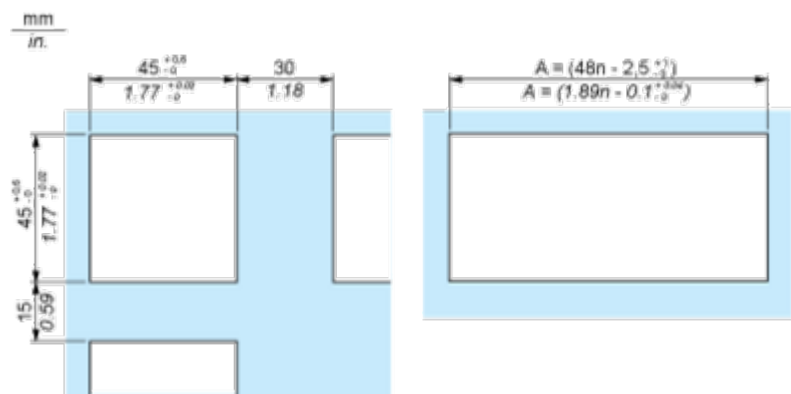|	
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
California Proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Width 48 mm

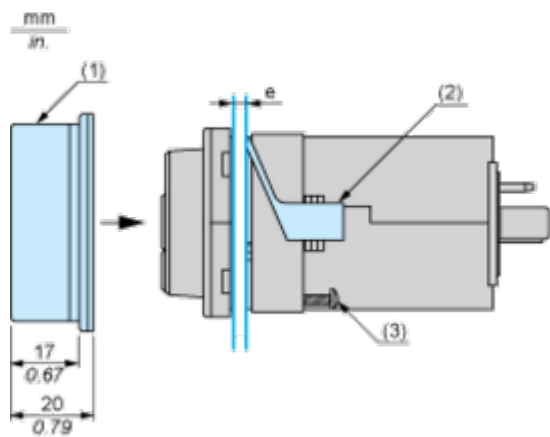Mounting and Clearance

Panel Cut-Out and Mounting

Panel Cut-Out

$$A = (48n - 2.5 \, ^{+1}_{0})$$
$$A = (1.89n - 0.1 \, ^{+0.04}_{0})$$

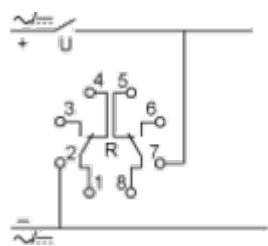**n** Number of devices mounted side-by-side

Mounting

Cover positioning and mounting

e Panel thickness
1 Protective cover
2 Panel mounting frame
3 Locating screw

Connections and Schema

Wiring Diagram

Technical Description

Function A : Power on Delay Relay

Description

The timing period T begins on energisation. After timing, the output closes. The second output is instantaneous.

Legend

	Relay de-energised
	Relay energised
	Output open
	Output closed

C	Control contact
G	Gate
R	Relay or solid state output
R1/R2	2 timed outputs
R2 inst.	The second output is instantaneous if the right position is selected
T	Timing period
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
U	Supply