

# Product data sheet

Specifications



## Modular timing relay, Harmony Relay, Harmony time, 17.5 mm timer function ABCH, 8A, 24V DC, 24...240V AC

RE10RMMU

### Main

Range of Product	Harmony Relay
Discrete output type	Relay
Product or Component Type	Modular timing relay
Component name	RE11R
Time delay type	D H B Ht Ac Bw C Di At A
Time delay range	10...100 h 0.1...1 s 1...10 h 6...60 s 1...10 s 1...10 min 6...60 min
[Us] rated supply voltage	24 V DC 24...240 V AC 50/60 Hz
nominal output current	8 A

### Complementary

Contacts type and composition	1 C/O
Contacts material	AgNi (cadmium free)
Width pitch dimension	0.7 in (17.5 mm)
Control type	Selector switch front panel
Voltage range	0.85...1.1 Us
Connections - terminals	Screw terminals, 2 x 1.5 mm <sup>2</sup> without cable end
Housing material	Polycarbonate
Repeat accuracy	+/- 0.5 % IEC 61812-1
Temperature Drift	+/- 0.05 %/°C
Voltage drift	+/- 0.2 %/V
Setting accuracy of time delay	+/- 10 % of full scale 25 °C IEC 61812-1
Minimum pulse duration	100 ms with load in parallel 30 ms
Reset time	100 ms on de-energisation

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

<b>On-load factor</b>	100 %
<b>Power consumption in VA</b>	32 VA 240 V
<b>Power consumption in W</b>	0.6 W 24 V 1.5 W 240 V
<b>minimum switching current</b>	10 mA
<b>Maximum switching current</b>	8 A
<b>Maximum switching voltage</b>	250 V
<b>breaking capacity</b>	2000 VA
<b>breaking capacity</b>	80 W
<b>Electrical durability</b>	100000 cycles 8 A, 250 V resistive
<b>Mechanical durability</b>	5000000 cycles
<b>[Uimp] rated impulse withstand voltage</b>	5 kV 1.2...50 µs IEC 60664-1 5 kV 1.2...50 µs IEC 61812-1
<b>Marking</b>	CE
<b>Creepage distance</b>	4 kV/3 IEC 60664-1
<b>Mounting support</b>	35 mm symmetrical mounting rail conforming to EN 50022
<b>Local signalling</b>	LED indicator green, flashing timing in progress LED indicator green, steady relay energised, no timing in progress LED indicator green, blinking relay energised, no timing in progress (except functions Di-D)
<b>Net Weight</b>	0.13 lb(US) (0.06 kg)
<b>Compatibility code</b>	RE10

## Environment

<b>Immunity to microbreaks</b>	10 ms
<b>Dielectric strength</b>	2.5 kV 1 mA/1 minute 50 Hz IEC 61812-1
<b>Standards</b>	IEC 60669-2-3 EN 50082-1/2 EN 50081-1/2 IEC 61812-1
<b>Directives</b>	93/68/EEC - low voltage directive 73/23/EEC - low voltage directive 89/336/EEC - electromagnetic compatibility
<b>Product Certifications</b>	CSA GL cULus
<b>Ambient Air Temperature for Storage</b>	-22...140 °F (-30...60 °C)
<b>Ambient Air Temperature for Operation</b>	-4...140 °F (-20...60 °C)
<b>IP degree of protection</b>	IP20 terminal block: conforming to IEC 60529 IP40 housing: conforming to IEC 60529 IP50 front panel: conforming to IEC 60529
<b>Vibration resistance</b>	0.35 mm (f= 10...55 Hz) conforming to IEC 60068-2-6
<b>Relative Humidity</b>	93 % without condensation IEC 60068-2-3

<b>Electromagnetic compatibility</b>	<p>Electrostatic discharge - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2</p> <p>Electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2</p> <p>Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m level 3 (80 MHz...1 GHz) conforming to IEC 61000-4-3</p> <p>Electrical fast transient/burst immunity test - test level: 1 kV level 3 (capacitive connecting clip) conforming to IEC 61000-4-4</p> <p>Electrical fast transient/burst immunity test - test level: 2 kV level 3 (direct) conforming to IEC 61000-4-4</p> <p>Surge immunity test - test level: 1 kV level 3 (differential mode) conforming to IEC 61000-4-5</p> <p>Surge immunity test - test level: 2 kV level 3 (common mode) conforming to IEC 61000-4-5</p> <p>Conducted RF disturbances - test level: 10 V (0.15...80 MHz) conforming to IEC 61000-4-6</p> <p>Immunity to microbreaks and voltage drops - test level: 30 % (10 ms) conforming to IEC 61000-4-11</p> <p>Immunity to microbreaks and voltage drops - test level: 60 % (100 ms) conforming to IEC 61000-4-11</p> <p>Immunity to microbreaks and voltage drops - test level: 95 % (5 s) conforming to IEC 61000-4-11</p> <p>Conducted and radiated emissions class B group 1 conforming to EN 55022</p>
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## Ordering and shipping details

<b>GTIN</b>	3606480914577
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## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	3.3 in (8.4 cm)
<b>Package 1 Width</b>	1.0 in (2.5 cm)
<b>Package 1 Length</b>	3.1 in (8 cm)
<b>Package weight(Lbs)</b>	3.0 oz (84.5 g)

## Contractual warranty

<b>Warranty (in months)</b>	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	55 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 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]	53 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	7bdc2711-0ad2-427c-8ece-532c5e9f09d7
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Take-back	No
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