



Main

Range of Product	Zelio Time
Product or Component Type	Optimum industrial timing relay
Component name	RE8
Time delay type	C
Time delay range	0.3...30 s
Sale per indivisible quantity	10

Complementary

Discrete output type	Relay
Contacts material	90/10 silver nickel contacts
Width pitch dimension	0.89 in (22.5 mm)
[Us] rated supply voltage	110...240 V AC 50/60 Hz
Voltage range	0.9...1.1 Us
Connections - terminals	Screw terminals, 2 x 1.5 mm ² flexible with cable end Screw terminals, 2 x 2.5 mm ² flexible without cable end
Tightening torque	5.31...9.74 lbf.in (0.6...1.1 N.m)
Setting accuracy of time delay	+/- 20 % of full scale
Repeat accuracy	< 1 %
Voltage drift	< 2.5 %/V
Temperature drift	< 0.2 %/°C
Minimum pulse duration	26 ms
Reset time	50 ms
Maximum switching voltage	250 V
Mechanical durability	20000000 cycles
[Ith] conventional free air thermal current	8 A
Maximum [Ie] rated operational current	2 A DC-13 24 V 158 °F (70 °C) IEC 60947-5-1/1991 2 A DC-13 24 V 158 °F (70 °C) VDE 0660 3 A AC-15 24 V 158 °F (70 °C) IEC 60947-5-1/1991 3 A AC-15 24 V 158 °F (70 °C) VDE 0660 0.1 A DC-13 250 V 158 °F (70 °C) IEC 60947-5-1/1991 0.1 A DC-13 250 V 158 °F (70 °C) VDE 0660 0.2 A DC-13 115 V 158 °F (70 °C) IEC 60947-5-1/1991 0.2 A DC-13 115 V 158 °F (70 °C) VDE 0660
Minimum switching capacity	10 mA 12 V
Input voltage	110...240 V Y1
Maximum switching current	10 mA Y1)
Input compatibility	2-wire sensors DC with leakage current < 1 mA <164.04 ft (50 m) Y1
Marking	CE
Overvoltage category	III IEC 60664-1
[Ui] rated insulation voltage	250 V IEC 300 V CSA
Supply disconnection value	> 0.1 Uc
Operating position	Any position without derating
Surge withstand	2 kV IEC 61000-4-5 level 3
Power consumption in VA	1.8 VA 110 V 8.5 VA 240 V

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Terminal description	(15-16-18)OC_ON (A1-A2)CO (Y1)UNUSED
Height	3.07 in (78 mm)
Width	0.89 in (22.5 mm)
Depth	3.15 in (80 mm)
Net Weight	0.24 lb(US) (0.11 kg)

Environment

Immunity to microbreaks	3 ms
Standards	EN/IEC 61812-1
Product Certifications	UL CSA GL
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Relative humidity	15...85 % 3K3 IEC 60721-3-3
Vibration resistance	0.35 mm 10...55 Hz)IEC 60068-2-6
IP degree of protection	IP20 terminals) IP50 casing)
Pollution degree	3 IEC 60664-1
Dielectric test voltage	2.5 kV
Non-dissipating shock wave	4.8 kV
Resistance to electromagnetic fields	9.14 V/m (10 V/m) IEC 61000-4-3 level 3
Resistance to fast transients	2 kV IEC 61000-4-4 level 3
Disturbance radiated/conducted	CISPR 11 group 1 - class A CISPR 22 - class A

Ordering and shipping details

Category	22376-RELAYS-MEASUREMENT(RM4)
Discount Schedule	CP2
GTIN	00785901466550
Package weight(Lbs)	0.20 lb(US) (0.091 kg)
Returnability	No
Country of origin	ID

Packing Units

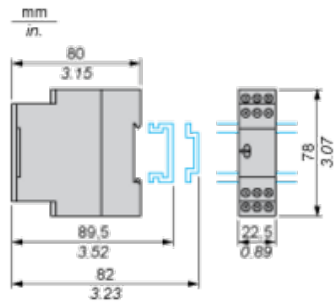
Package 1 Height	2.300 dm
Package 1 width	0.820 dm
Package 1 Length	0.850 dm

Contractual warranty

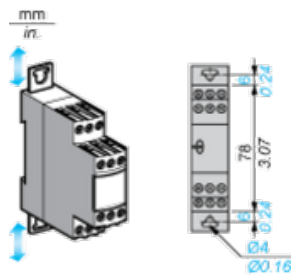
Warranty	18 months
----------	-----------

Width 22.5 mm

Rail Mounting



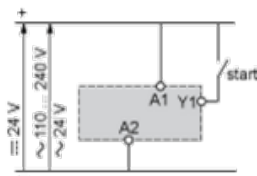
Screw Fixing



Internal Wiring Diagram

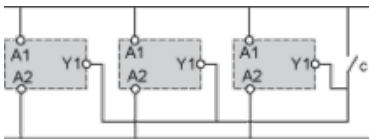


Recommended Application Wiring Diagram



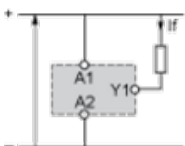
Control of Several Relays

Control of several relays with a single external control contact



The external control contact C may be an electronic control device, for example a true-wire sensor. In this case A1-A2= 24 Vdc and the control device can only control-up to a maximum of 4 relays.

Connection of a 2-Wire Sensor

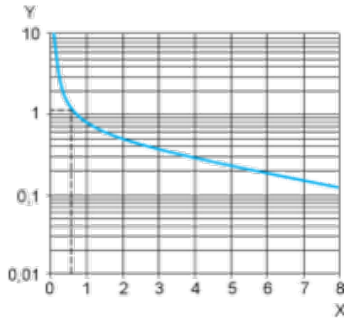


Leakage current (open state) if < 1 mA.

Performance Curves

A.C. Load Curve 1

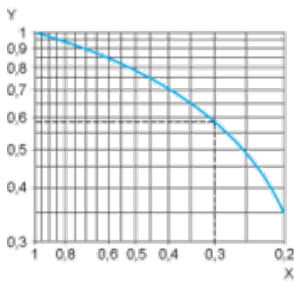
Electrical durability of contacts on resistive loading millions of operating cycles



X Current broken in A
Y Millions of operating cycles

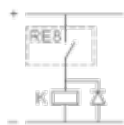
A.C. Load Curve 2

Reduction factor k for inductive loads (applies to values taken from durability curve 1).

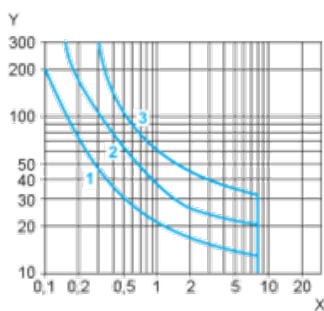


X Power factor on breaking (cos φ)
Y Reduction factor k

Example: An LC1-F185 contactor supplied with 115 V/50 Hz for a consumption of 55 VA or a current consumption equal to 0.1 A and cos φ = 0.3. For 0.1 A, curve 1 indicates a durability of approximately 1.5 million operating cycles. As the load is inductive, it is necessary to apply a reduction coefficient k to this number of cycles as indicated by curve 2. For cos φ = 0.3: k = 0.6 The electrical durability therefore becomes: $1.5 \cdot 10^6$ operating cycles \times 0.6 = 900 000 operating cycles.



D. C. Load Limit Curve



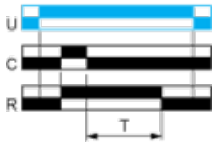
X Current in A
Y Voltage in V
1 L/R = 20 ms
2 L/R with load protection diode

Function C : Off-Delay Relay with Control Signal

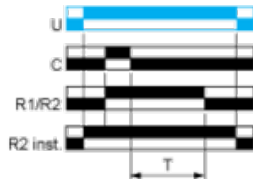
Description

After power-up and closing of the control contact C, the output R closes. When control contact C re-opens, timing T starts. At the end of the timing period, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Timers](#) category:

Click to view products by [Schneider](#) manufacturer:

Other Similar products are found below :

[79237785](#) [H5AN-4DM DC12-24](#) [H5CN-YAN AC100-240](#) [H5CX-L8S-N AC100-240](#) [H5AN-4D DC12-24](#) [THR2U-110A](#) [81506944](#)
[88225029](#) [H5S-YB4-X](#) [H7AN-2D DC12-24](#) [H5CN-XANS DC12-48](#) [H7AN-W4DM DC12-24](#) [H7AN-4DM DC12-24](#) [H7AN-4D DC12-24](#)
[H7AN-RT6M AC100-240](#) [600DT-CU](#) [7PV1513-1AP30](#) [1SVR508020R0000](#) [1SVR508100R0000](#) [1SVR550127R4100](#) [1SVR550212R4100](#)
[1SVR730020R3300](#) [1SVR730120R3100](#) [1SVR730180R3100](#) [1SVR730211R2300](#) [PCU-511UNI](#) [H3C-R](#) [H3CR-A8E 24-48AC/DC](#) [H3CR-F8](#)
[100-240AC/100-125DC](#) [H3CR-FN 100-240AC/100-125DC](#) [H3DK-G 24-230AC/DC](#) [H3DK-HBL AC/DC24-48](#) [H3DK-M1A DC12](#) [LT4H-](#)
[AC24V](#) [LT4HW8-AC240V](#) [LT4HW-AC240V](#) [LT4HW-AC240VS](#) [LT4HW-AC24VS](#) [31L48AP](#) [31L48TPM240](#) [RC302](#) [RC312](#) [REV-201M](#)
[RG](#) [AT78041](#) [AT78051](#) [ATC180041](#) [TMM1](#) [TMP](#) [TMST](#)