

Timing characteristics

Relay type		RE 88 886 00●	RE 88 886 104	RE 88 886 506
Repeat accuracy (with constant parameters)		± 0.5 %		± 0.2 %
Temperature drift conforming to VDE 0435	0...40 °C	± 3 %		± 1 %
	- 20...+ 60 °C	± 5 %		± 1.5 %
Full scale setting accuracy		± 5 %		± 10 %
Minimum duration of control impulse		s	0.02	–
Maximum reset time	By de-energisation	ms	100	–
	After time delay period	ms	–	50
	During time delay period	ms	–	100
Immunity to microbreaks		s	0.02	0.02

Output characteristics

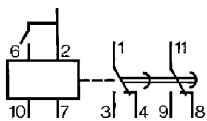
Rated current	A	~ 8, ~ 1		~ 8, ~ 1
Rated insulation voltage	V	~/= 250		~/= 250
Breaking capacity		1100 VA/30 W		2000 VA/30 W
Maximum permissible current	A	15 < 0.01 s		15 < 0.01 s
Minimum current	mA	~/= 50		~/= 50
Electrical life at I max - ~ 250 V resistive		10 ⁶ operating cycles		2 x 10 ⁵ operating cycles
Permissible number of operations at I max - ~ 250 V resistive		600 operations		600 operations
Mechanical life		10 ⁷ operations		2 x 10 ⁷ operations

General characteristics

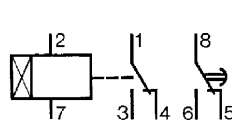
State indication by LED	"UP" relay energised		Green LED	Green LED
	"ON" power on		Red LED	Red LED
Permissible voltage variation	~/= 24 V		± 15 %	–
	~ 110...127 V		- 15...+ 10 %	–
	~ 220...240 V		- 15...+ 10 %	- 15...+ 10 %
Maximum power consumption	= 24 V	W	1.5	–
	~ 110...127 V	VA	5	–
	~ 220...240 V	VA	10	20
Temperature limits	Operation	°C	- 20...+ 60	- 20...+ 60
	Storage	°C	- 25...+ 70	- 25...+ 70
Insulation voltage	Conforming to standard VDE 0110 - IEC 255 Group C	V	~/= 250	~/= 250
Dielectric strength	Conforming to standard IEC 255 or VDE 0435	V	–	Un ≤ 60 V : 500 Un ≤ 60 V : 2000
Protection class	Conforming to NFC 20010 - IEC 529 - DIN 40050		IP 40	IP 50
Conforming to standards			IEC 255 - VDE 0435 - 2021	IEC 255 - VDE 0435 - 2021
Approvals			c UR us, CSA	c UR us, CSA
Fixing	Panel-mounted		By clip	By clip
	Base-mounted		On socket	On socket

Internal schemes

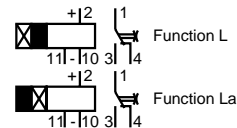
Relay RE 88 886 00●



Relay RE 88 886 104

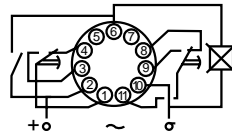


Relay RE 88 886 504

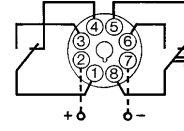


Terminal referencing

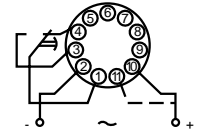
Relay RE 88 886 00●



Relay RE 88 886 104



Relay RE 88 886 506



2-10 Supply	●	–	●
Bridge (7-10) for 24 V supply	●	–	–
Bridge (10-11) for 24 V supply	–	–	●
Control contact (6-2)	●	–	–
1-3-4 Timed relay output	●	–	●
11-8-9 Timed relay output	●	–	–
2-7 Supply	–	●	–
1-3-4 Instantaneous relay output	–	●	–
8-5-6 Timed relay output	–	●	–

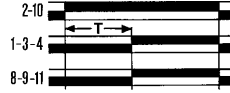
Relay output

- Multifunction or single function
- Multirange
- Multivoltage or single voltage
- 1 or 2 C/O contacts
- State indication by 2 LEDs
- Connection by 8-pin or 11-pin base fitting
- Enclosure 48 x 48 mm

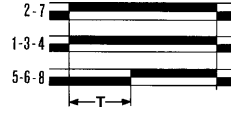
Function diagrams

Function A

RE 88 886 00●
Delay on energisation

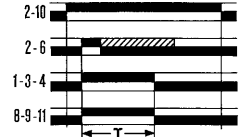


RE 88 886 104



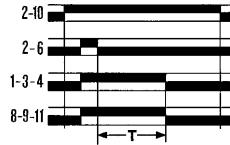
Function B

Timing on impulse, one shot



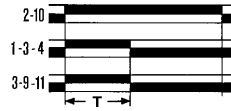
Function C

Off-delay



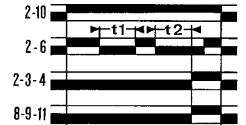
Function H

Timing on energisation



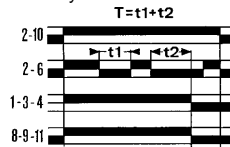
Function At

Timing on energisation with memory



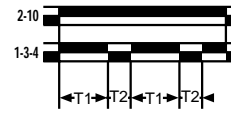
Function Ht

Delay on energisation with memory



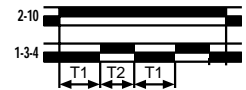
Function L

Asymmetrical recycler



Function La

Asymmetrical recycler



References

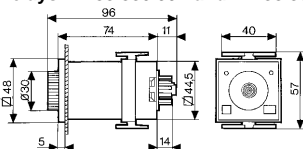


Functions	Multifunction	Single function	Multifunction
	A, B, C, H, At, Ht	A	L, La
Timing ranges	8 switchable ranges 0.1 s...1 s, 1 s...10 s, 6 s...60 s, 0.4... 4 min, 1 min...10 min, 6 min...60 min, 1 h...10 h, 6 h...60 h	6 switchable ranges	00.1 s...1 s, 1 s...10 s, 0.1 min...1 min, 1 min...10 min, 0.1 h...1 h, 1 h...10 h,
Relay output	2 timed C/O contacts	1 timed C/O contact 1 instantaneous C/O contact	1 timed C/O contact
Rated current	~ 5 A, --- 1 A V	~ 5 A, --- 1 A V	~ 8 A
Voltages	~ 24 V and 100...127 V 50/60 Hz RE 88 886 005 ~ 24 V and 220...240 V 50/60 Hz RE 88 886 006 ~ 220...240 V 50/60 Hz	RE 88 886 104	RE 88 886 506
Weight (kg)	0.110	0.110	0.110
Sockets (1)	8-pin 11-pin Weight (kg)	RUZ 1A 0.067	RUZ 1A 0.067

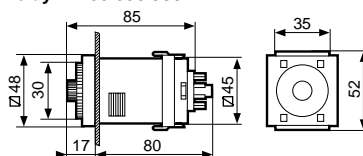
(1) These products are sold in packs of 10.

Dimensions

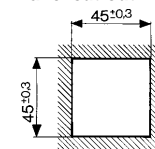
Relays RE 88 886 00● and RE 88 886 104



Relay RE 88 886 506



Panel cut-out



Timing characteristics

Repeat accuracy (with constant parameters)		± 0.2 %
Temperature drift conforming to VDE 0435	0...+ 40°C - 20...+ 60 °C	± 1.5 % ± 1.5 %
Full scale setting accuracy		± 10 %
Minimum duration of control impulse for relays RE 88 875 40●	ms	20
Max. reset time by de-energisation	During time delay period	ms 100
	After time delay period	ms 50
Immunity to microbreaks	s	0.02

Output characteristics

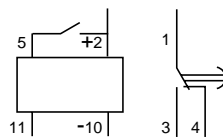
Rated current	A	~ 8, --- 8
Rated insulation voltage	V	~/--- 250
Breaking capacity		2000 VA/80 W
Maximum permissible current	A	15 < 0.01s
Minimum current	mA	50
Electrical life at I max - ~ 250 V resistive		2 x 10 ⁵ operating cycles
Mechanical life		2 x 10 ⁷ operating cycles

Operating characteristics

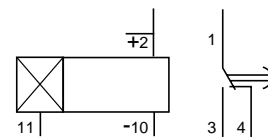
State indication by LED	"UP" : output in operation		Red LED
	"ON" : power on		Green LED
Permissible voltage variation	--- or ~ 24 V		± 15 %
	--- or ~ 48 V		± 15 %
	~ 110 V		± 15 %
	~ 220...240 V		- 15...+ 10 %
Maximum power consumption	--- 24 V	W	0.6
	~ 24 V	VA	1
	--- 48 V	W	1.2
	~ 48 V	VA	1.2
	~ 110 V	VA	3.5
	~ 220 V	VA	7
Temperature limits	Operation	°C	- 20...+ 60
	Storage	°C	- 25...+ 70
Insulation voltage	Conforming to standard VDE 0110 - IEC255 Group C	V	~/--- 250
Degree of protection	Conforming to NFC 20010 - IEC 529 - DIN 40050		IP 50
Conforming to standards			IEC 255 - VDE 0435 - 2021
Approvals			c UR us, CSA
Fixing	Panel-mounted		By clip
	Base-mounted		On socket
Material	Enclosure		Self-extinguishing ABS, UL 94 V0

Internal schemes

Relay RE 88 875 40●



Relay RE 88 875 008



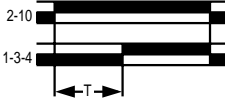
Relay output

- Multifunction or single function
- Multirange
- Multivoltage
- 1 C/O contact
- State indication by 2 LEDs
- Connection by 11-pin base fitting
- Enclosure 48 x 48 mm

Function diagrams

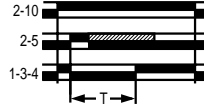
Function A

Delay on energisation



Function B

Timing on impulse, one shot



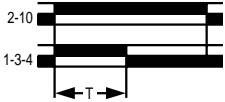
Function C

Off-delay



Function H

Timing on energisation



References

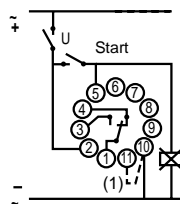


Functions		Multifunction A, B, C, H	Multifunction A
Timing ranges	6 ranges	0.1 s...1 s - 1 s...10 s - 0,1 min...1 min - 1 min...10 min - 0.1 h...1 h - 1 h...10 h	A
Relay output		1 timed C/O contact	1 timed C/O contact
Rated current		8 A	8 A
Voltages		RE 88 875 403	-
	\sim 24 V, \sim 110 V 50/60 Hz	RE 88 875 406	-
	\sim 24 V, \sim 220...240 V 50/60 Hz	RE 88 875 408	RE 88 875 008
Weight (kg)		0.100	0.100
Socket (1)	11-pin	RUZ 1A	RUZ 1A
	Weight (kg)	0.067	0.067

(1) These products are sold in packs of 10.

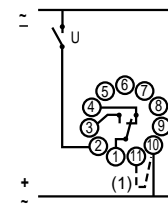
Terminal referencing

Relay RE 88 875 40●



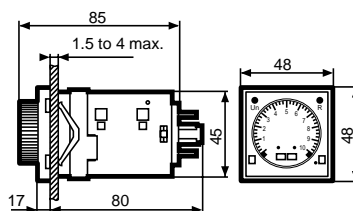
(1) Link 10-11 for \sim or \equiv 24 V.

Relay RE 88 875 008



- 2-10 Supply ●
- Link 10-11 for 24 V \sim or \equiv supply ●
- 2-5 Control contact ●
- 1-3-4 Timed output contact ●

Dimensions



Panel cut-out

