## **TIMING RELAY**



- For clock switching of electric circuits up to 8 A depending on setting of two mutually independent times
- Above all for automation purposes
- Time range: 0.5 s ÷ 120 min
- Universal supply voltage:
  - 12 V  $\div$  230 V a.c. / 24 V  $\div$  220 V d.c.
- Terminals 1, 2 for setting of timing start delayed operation/impulse after switching ON
- Light indication at contact closing (red LED)
- Light indication of supply voltage presence (green LED)

#### Timing rolay

Thining relay						
Control voltage	Туре	Product	Contact		Weight	Packing
AC/DC [V]		code	Sequence 1)	Voltage/current [V/A]	[kg]	[pcs]
12 ÷ 230 / 24 ÷ 220	TCR-U	13333	001	250/8	0.08	1

<sup>1)</sup> Each digit indicates successively the number of make, break and break-make contacts

ICK-U accessories	accessories
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TCR-U accessories		
Label	PLSN	page 25

#### Description



# **TIMING RELAY**

## Specification

Туре			TCR
Standards			EN 116 000-2
Approval marks			Se € € ₩
Main circuit (contact)			
Sequence 1)			001
Rated voltage		U <sub>e</sub>	250 V a.c. / 24 V d.c.
Rated current		l <sub>n</sub>	8 A
Max. switched power			2000 VA / 192 W
Max. switched voltage			380 V a.c., 150 V d.c.
Min. voltage/current			5 V d.c. / 10 mA
Endurance - electrical/mechanical			100 000 operating cycles/5 000 000 operating cycles
Connection			$0.75 \div 6 \text{ mm}^2$ , $2x(0.75 \div 2.5) \text{ mm}^2$
Control circuit (coil)			
Rated control voltage		U <sub>e</sub>	12 ÷ 230 V a.c., 24 ÷ 220 V d.c.
Dwell between applied U <sub>e</sub>			3 s
Connection			$0.75 \div 6 \text{ mm}^2$ , 2x( $0.75 \div 2.5$ ) mm <sup>2</sup>
Consumption for U <sub>e</sub>	12/230 V a.c.		0.7 VA / 2.1 VA
	24/220 V d.c.		0.9 W / 1.2 W
Rated frequency			50 ÷ 60 Hz
Time circuit			
Range			0.5 s ÷ 120 min
t <sub>1</sub> , t <sub>2</sub> setting method			control knobs on the front panel of the device
Tolerance of set time at re-timing			max. 2% t <sub>1</sub> , t <sub>2</sub>
Other data			
Mounting on the rail DIN EN 50 022-width			35 mm
Degree of protection			IP20
Ambient temperature			-20 ÷ 55 °C
Seismic immunity (8÷55 Hz)			3 g
Operating position			arbitrary

<sup>1)</sup> Each digit indicates successively the number of make, break and break-make contacts

## Dimensions





### **Function chart**





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A2





## Locking insert VU-LSN

- Accessories to: LSN, LSE, ASN, MS
- For reliable locking in both closed and open positions
- The breaking function of miniature circuit breakers is
- possible also in the locked position
- Max. diameter of the lock shank 4.5 mm
- The padlock is not a part of delivery

#### Label P...-LSN

- Accessories to: LSN, ASN, MS, MT, MK, M2T, MCR, IR116K, C-IR, D-IR, PR116, PR208, ...
- For better orientation in the switchboard
- Use spirit marker for description of blank labels



#### Locking insert

Туре	Product	Weight	Packing
	code	[kg]	[pcs]
VU-LSN	09087	0.002	1

#### Labels

Description	Colour	Туре	Product	Weight	Packing
			code	[kg]	[pcs]
		PB-LSN	01499	0.001	20
L1		PB07-LSN	01506	0.001	20
L2		PB08-LSN	01507	0.001	20
L3		PB09-LSN	01508	0.001	20
		PW-LSN	01509	0.001	20

#### Dimensions

#### VU-LSN

