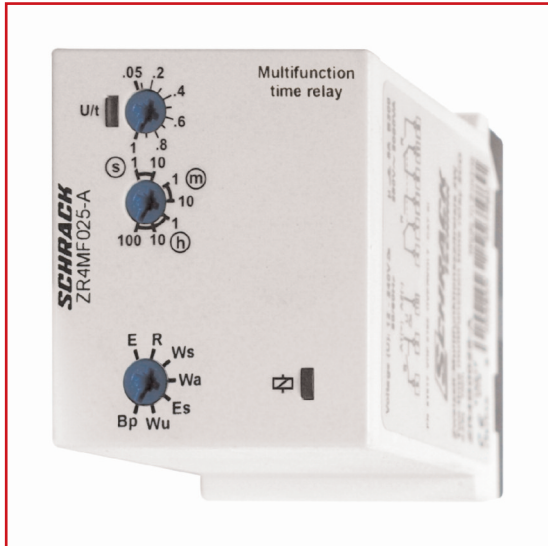


■ DATASHEET: TIMER MULTIFUNCTION 12-240V AC/DC 2C/O 8A/250V, PLUG-VERSION



■ SCHRACK INFO

- Multifunction
- 7 functions
- 7 time ranges
- Zoom voltage
- 2 change over contacts
- Plug-in housing
- Width 38mm

■ TECHNICAL DATA

INDICATORS	Green LED U/t ON	indication of supply voltage
	Green LED U/t flashes	indication of time period
	Yellow LED R ON/OFF	indication of relay output

MECHANICAL DESIGN

Self-extinguishing plastic housing, IP rating IP40

Mounted on screw terminal socket 11-pols in accordance with IEC 60067-1-18a

Shockproof terminal connection according to VBG(PZ1 required),

IP rating IP20

	Mounting position	any
	Tightening torque	max. 1Nm
	Terminal capacity	1 x 0.5 to 2.5mm ² with/ without multicore cable end
		1 x 4mm ² without multicore cable end
		2 x 0.5 to 1.5mm ² with/ without multicore cable end
		2 x 2.5mm ² flexible without multicore cable end

INPUT CIRCUIT	Supply voltage	12 to 240V AC/DC
	Pins	S2(+)-S10 / A1(+)-A2
	Tolerance	minus 10% to plus 10%
	Rated consumption	6 VA (2W)
	Rated frequency	AC 48 to 63Hz
	Duty cycle	100%
	Reset time	100ms
	Residual ripple to DC	10%
	Drop-out voltage	>30% of the supply voltage
	Overvoltage category	III (in accordance with IEC 60664-1)
	Rated surge voltage	4kV

OUTPUT CIRCUIT		
2 potential free change over contacts	Rated voltage:	250V AC
	Switching Capacity	2000VA (8A/ 250V)
	Fusing	8A fast acting
	Mechanical life	20 x 10 ⁶ operations
	Electrical life	2 x 10 ⁶ operations at 1000VA resistive load
	Switching frequency	max. 6/min. at 1000VA resistive load (in accordance with IEC 60947-5-1)
	Overvoltage influence	III (in accordance with IEC 60664-1)
	Rated surge voltage	4kV
CONTROL CIRCUIT		
	Input not potential free	pins S2-S5
	Loadable	yes
	Max. line length	10m
	Trigger level (sensitivity)	automatic adaption to supply voltage
	Min. control pulse length	DC 50ms / AC 100ms
ACCURACY		
	Base accuracy	plus/ minus 1% of maximum scale value
	Adjusting accuracy	±5% of maximum scale value
	Repetition accuracy	<0.5% or ±5ms
	Temperature influence	±0.01% / °C
AMBIENT CONDITIONS		
	Ambient temperature	minus 25 to plus 55°C
	Storage temperature	minus 25 to plus 70°C
	Transport temperature	minus 25 to plus 70°C
	Relative humidity	15% to 85% (in accordance with IEC 60721-3-3 class 3K3)
	Pollution degree	2 if built in 3 (in accordance with IEC 60664-1)

FUNCTIONS

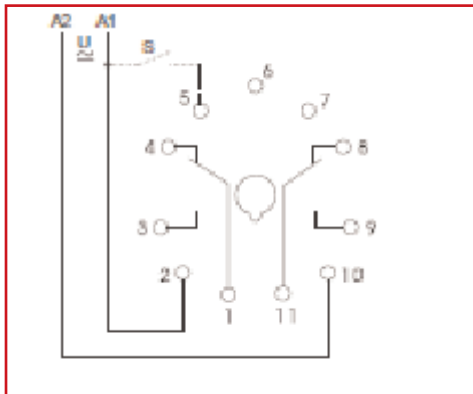
The function has to be set before connecting the relay to the supply voltage.

E	ON delay
R	OFF delay
Ws	Single shot leading edge with control input
Wa	Single shot trailing edge with control input
Es	ON delay with control input
Wu	Single shot leading edge voltage controlled
Bp	Flasher pause first

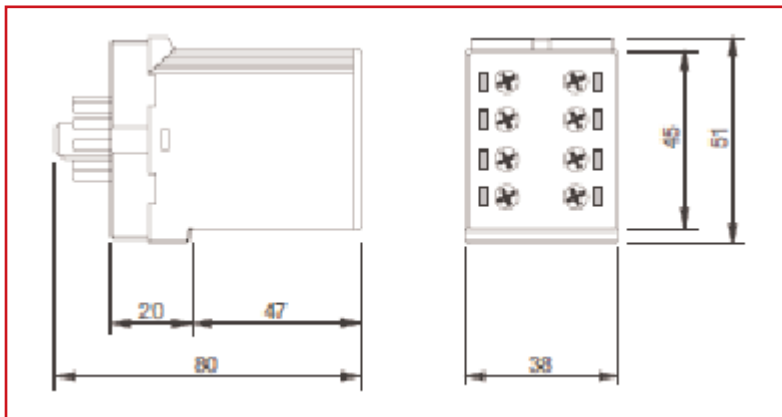
TIME RANGES

Time range	Adjustment range
1 s	50 ms - 1 s
10 s	500 ms - 10 s
1 min.	3 s - 1 min.
10 min.	30 s - 10 min.
1 h	3 min. - 1 h
10 h	30 min. - 10 h
100 h	5 h - 100 h

CONNECTIONS



DIMENSIONS



DESCRIPTION	ORDER NO.
Timer Multifunction 12-240V AC/DC 2C/O 8A/250V, plug-version	ZR4MF025-A