



VEO

TIME RELAY / MULTIFUNCTION TIME RELAY

V2ZA10 3MIN 24-240V AC/DC

Art.Nr.: 125500

V2ZA10P 3MIN 24-240V AC/DC

Art.Nr.: 125510



- ✓ 5 functions
- ✓ 4 time ranges
- ✓ Supply voltage 24-240V AC/DC
- ✓ 1 change-over contact
- ✓ Width 22,5 mm

Control elements

- ✓ Fine adjustment
- ✓ Setting of time range
- ✓ Function selector

Status indication

- ✓ LED U: Supply voltage



TECHNICAL DATA

SUPPLY CIRCUIT

Terminals	A1-A2	
Supply voltage	24 ... 240V AC/DC	
Supply voltage tolerance	+10 / -10 %	
Rated frequency	50 / 60Hz or DC	
Rated frequency tolerance	48 ... 63Hz	
Rated consumption	230 V AC	typ. 0,35 W / 1,6 VA
	24 V DC	typ. 0,06 W / 0,06 VA
Backup power time	< 50 ms	
Recovery time	> 100 ms	
Drop-out voltage	≥ 8 V	

TIMING CIRCUIT

Time ranges	4	0,1 ... 1 s
		1 ... 10 s
		6 s ... 1 min
		18 s ... 3 min

RANGE OF FUNCTIONS

Functions	5	E, A, nWa, nWu, nWuWa
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STATUS INDICATION

Supply voltage	LED U (green) on	supply voltage applied
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OUTPUT CIRCUIT

Terminals		15-16-18
Kind of output		bistable relay
Number of contacts	change-over contact	1
Contact material		AgSnO ₂
Rated voltage (IEC 60947-5-1)		250V AC
Maximum switching voltage		400V AC
Minimum switching voltage / switching current		12V / 100mA
Rated current (IEC 60947-5-1)	AC-1	5 A / 250 V
Endurance	mechanical	5 x 10 ⁶ switching cycles
	electrical (AC-1)	50 x 10 ³ switching cycles
Rated frequency of operation	with load	6/min
	without load	600/min
Fuse rating		5A fast acting

ACCURACY

Base accuracy		< 1 % (of full scale)
	time range 1s	< 10 % (of full scale)
Setting accuracy		< 5 % (of full scale)
Repeat accuracy		< 1 % or ±100 ms
Temperature influence		< 0,02 % / °C
Voltage influence		-
Frequency influence		-

ENVIRONMENTAL CONDITIONS

Ambient temperature	operation	-25 ... +60°C
	storage	-40 ... +70°C
Relative humidity		5 ... 95 %
Vibration	EN 61812-1	10 ... 60 Hz: 0,15 mm; 60 ... 150 Hz: 20 m/s ²
	EN 60947-1	2 ... 13,2 Hz: 1 mm; 13,2 ... 100 Hz: 7 m/s ²
Shock	EN 60947-1	±150 m/s ² 11 ms

GENERAL DATA

Dimensions	W x H x D	22,5 x 67 x 76 mm
Mounting		DIN rail (EN60715)
Mounting position		any



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STANDARDS			▼
Housing material		PA 66, self-extinguishing plastic, class V-0	
Degree of protection	housing	IP40	
	terminals	IP20	
Electrical connection	V2ZA10	Screw terminal	
Wire size	flexible with wire end ferrule	0,5 ... 2,5 mm ² (20 AWG ... 13 AWG)	
	flexible without wire end ferrule	0,5 ... 4 mm ² (20 AWG ... 12 AWG)	
	rigid	0,5 ... 4 mm ² (20 AWG ... 12 AWG)	
Stripping length		8 mm	
Tightening torque		max. 1Nm	
Electrical connection	V2ZA10P	Push-in terminal	
Wire size	flexible with wire end ferrule	0,25 ... 1,5 mm ² (24 AWG ... 16 AWG)	
	flexible with plastic ferrule	0,25 ... 0,75 mm ² (24 AWG ... 19 AWG)	
	flexible without wire end ferrule	0,2 ... 1,5 mm ² (24 AWG ... 16 AWG)	
	rigid	0,2 ... 1,5 mm ² (24 AWG ... 16 AWG)	
Stripping length		8 mm	
MTTF		-	
Weight		85 g	

ISOLATION DATA			▼
Pollution degree (IEC 61812-1)		2	
Overvoltage category (IEC 61812-1)		III	
Rated insulation voltage (IEC 61812-1)	supply circuit / output circuit	300 V	
Rated impulse withstanding voltage (IEC 61812-1)	supply circuit / output circuit	6 kV	
Insulation test voltage (IEC 61812-1)	supply circuit / output circuit	2880 V	
Degree of protection	supply circuit / output circuit	protective seperation	

STANDARDS			▼
Product standard		IEC 61812-1	
Interference immunity	IEC 61812-1	class A	
Interference emission	IEC 61812-1	class A	
Approvals			



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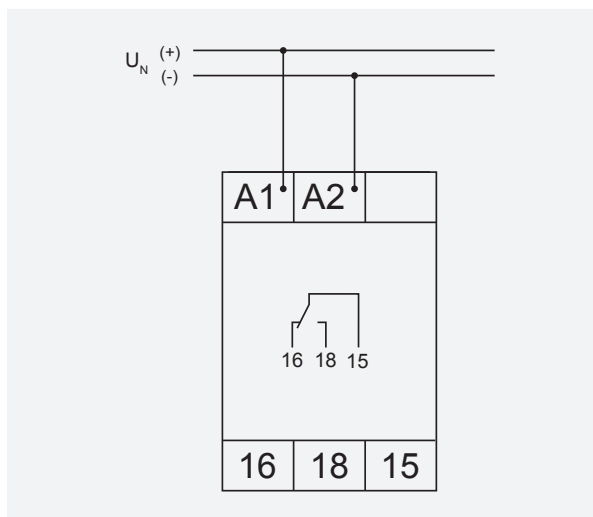
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CONNECTIONS





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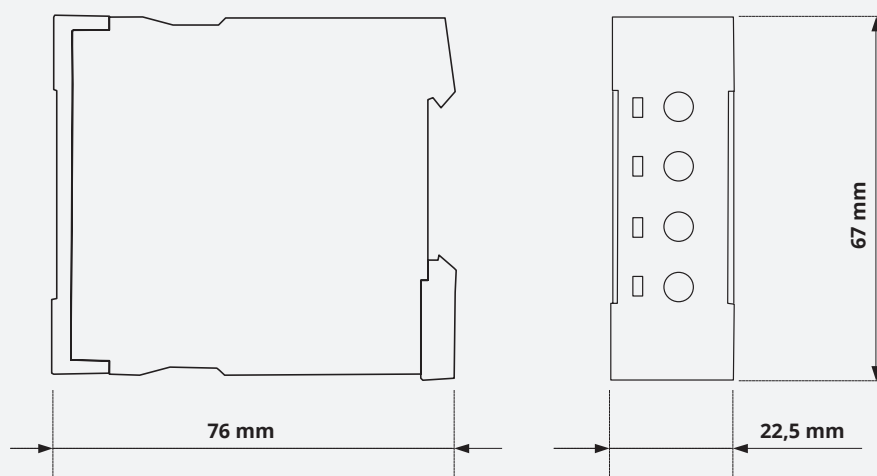
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DIMENSIONS



CONTACT



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