V2ZET 12-240V AC/DC

Time relay - single function (2-wire connection)

Status: Available Data sheet created: 01.07.2025

Item Number: 125130 - **Serie:** Veo - **EAN:** 9008662012738



- Time relay VEO series
- Response delay
- 5 time ranges
- Supply voltage 12-240V AC/DC
- Thyristor output
- width 22,5mm

Description

Precise and reliable switching and control in industrial and commercial applications.

General information

Short description	Single function (2-wire connection), on-delay, 12-240V AC/DC
Item Number	125130
EAN	9008662012738
Main category	Timing Relays
Series	Veo
Type	V2ZET 12-240V AC/DC
Design	Compact industrial design
Supply	12-240V AC/DC
Dimensions	22.5 x 67 x 76 mm

V2ZET 12-240V AC/DC

Functions and measurands

The selection of the time function must be made in the de-energized state.

Amount of functions 1



ON delay two wire connected (ET)

When the supply voltage U is applied, the set interval t begins. After the interval t has expired the thyristor switches on. This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the expiry of the interval t, the interval already expired is erased and is restarted when the supply voltage is next applied.

Time ranges

Number Of Areas	5		
Time ranges	**Time range**	**Adjustment range**	
	1s	0,05ms	1s
	10s	0,5ms	10s
	60s	3s	60s
	10min	0,5min	10min
	60min	3min	60min

Mechanical design

Housing material	PA 66, self-extinguishing plastic, class V-0
Housing - protection degree	IP40
Mounting	top hat rail TH 35 7,5-15 according to IEC 60715:2017 / EN 60715:2017
Terminals/connections	Screw terminal
Terminals - protection degree	IP20
Mounting position	any
Stripping length	8 mm
Max. Tightening Torque	1 Nm
Terminal capacity	• flexible with wire end ferrule 0.5 ... 2.5 mm² (20 AWG ... 13 AWG) • flexible without ferrule 0.5 ... 4 mm² (20 AWG ... 12 AWG) • rigid 0.5 ... 4 mm² (20 AWG ... 12 AWG).

Supply circuit

Terminals/connections	A1-A2
Supply voltage d.c.	24 ... 240 V
Supply voltage tolerance d.c.	-10% ... +10%
Supply voltage a.c.	24 ... 240 V
Supply voltage tolerance a.c.	-10% ... +10%
Rated frequency [Hz]	50 / 60 Hz bzw. DC
Tolerance of the Frequency	a.c. 48 ... 60 Hz
Rated consumption a.c.	230 V a.c.: typ. 2,1 W / 2,6 VA; 12 V a.c.: typ. 1,1 W
Drop-out voltage	230 V a.c. ≥ 129 V110 V a.c. ≥ 68 V48 V a.c. ≥ 30,5 V24 V a.c. ≥ 15,1 V12 V a.c. ≥ 12 V220 V DC ≥ 46 V110 V DC ≥ 23 V60 V DC ≥ 13,7 V48 V DC ≥ 10,9 V21 V DC ≥ 6 V12 V DC ≥ 5,4 V
Overvoltage category	III (IEC 60947-5-1)
Rated surge voltage	6 kV
Isolation test voltage	3360 V

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Output curcuit

Type	Relay
Contact 1	1 thyristor
Terminals 1	A1-A2
Rated voltage	250 V a.c.
Rated current 1	statisch 10 bis 500 mA
Rated current 2	dynamisch 15 A / 10 ms
conditional short-circuit current	100 A
Fuse Protection	500mA quick
Rated surge voltage	4 kV
Overvoltage category	III (nach IEC 60664-1)

Accuracy

Base accuracy	< 1 % (from full scale), Switch-on delay ca. ±70 ms
Adjustment accuracy	<= 10 % from full scale
Repetition accuracy	<5 %
Voltage influence	≤ 0,01 %
Temperature influence	≤ 0,01 %

Standards

Ambient conditions and general specifications

Storage temperature	-40 ... +70 °C
Pollution degree	2, pollution level can be increased by installation in suitable enclosures (according to IEC 60664-1)

Logistics

Minimum Quantity	1
Tariff Number	85364900
EAN	9008662012738
Country of Origin	AT
Product Weight (g)	71

Available declarations / conformities

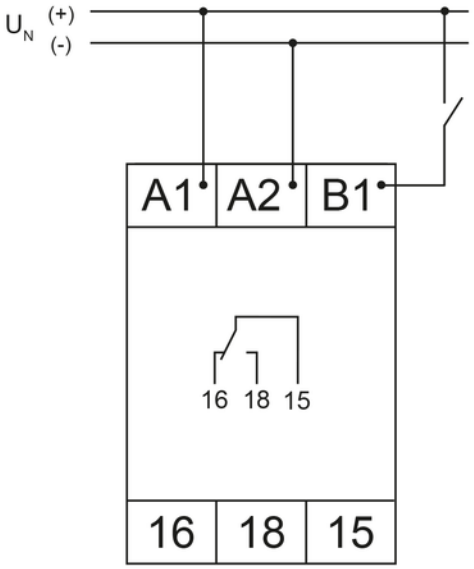
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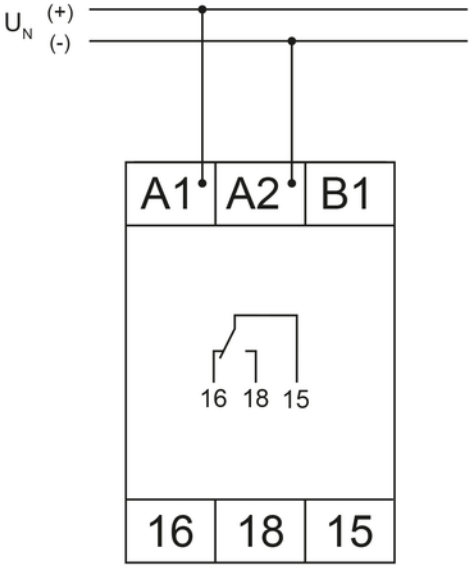
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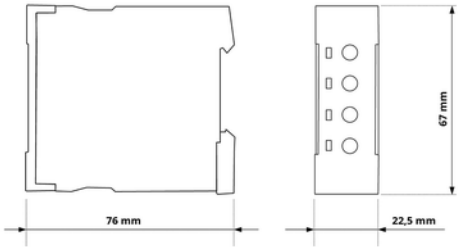
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