

WAS2 VMR 3PH**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product is no longer available, Data sheet for information only

**General ordering data**

Version	WAVESERIES, Voltage monitoring, 1 x three-phase (R, S, T, N), 250 V, Screw connection
Order No.	8705630000
Type	WAS2 VMR 3PH
GTIN (EAN)	4032248377060
Qty.	1 items
Delivery status	Discontinued
Available until	2022-12-31T00:00:00+01:00
Alternative product	ACT20P-VMR-3PH-ILP-H-S

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.4252 inch
Width	22.5 mm	Width (inches)	0.8858 inch
Length	96.5 mm	Length (inches)	3.7992 inch
Net weight	120.6 g		

Temperatures

Storage temperature	-25 °C...85 °C	Operating temperature	0 °C...70 °C
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None	MTTF	493 a
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	b25f3b7c-b874-4a4e-a8b2-4f423a7e2a65

Input

Number inputs	1 x three-phase (R, S, T, N)	Input frequency	50...60Hz
Input voltage	80...250 V AC/DC 3~, 200...400 V AC/DC		

Output (digital)

Rated switching current	0.1 A	Continuous current	3 A
Max. switching voltage, AC	0 V	Type	2 CO contacts
Alarm function	configurable, Surge voltage, Undervoltage, Hysteresis: 10 V		

General data

Repeat accuracy	<0.3 % of set range	Protection degree	IP20
Supply voltage	from the measuring circuit	Step response time	<300 ms
Mounting rail	TS 35	Temperature coefficient	≤ 300 ppm/K
Nominal power consumption	1.5 VA	Configuration	DIP switch and potentiometer, Alarm status reset via reset input or button

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Insulation coordination

Impulse withstand voltage	6 kV	EMC standards	EN 61000-6-1, 2, 3, 4
Surge voltage category	III	Pollution severity	2
Galvanic isolation	3-way isolator	Insulation voltage	4 kVeff / 1 min.
Rated voltage	600 V		

Connection data

Type of connection	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Important note

Product information	This product will soon be replaced by a new product. Please do not use with new systems. Please contact our technical support.		
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Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 9.0	27-21-01-20
ECLASS 9.1	27-21-01-20	ECLASS 10.0	27-21-01-20
ECLASS 11.0	27-21-01-20	ECLASS 12.0	27-21-01-20
ECLASS 13.0	27-21-01-20	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

Tender specification sheets

Long specification	Limit-value monitoring component for 1- /3-phase AC and DC voltages with relay output and electrical isolation limit-value monitoring component in 22.5 mm width for recording 1-phase AC/DC voltages 200...400 V or 3-phase AC- voltages of 80...250 V. A relay contact (CO) with a switching capacity of 750 VA is available on the output side. Input ranges, high/low trip alarm, monitored voltage window and switching behaviour (for working and quiescent currents) can be configured using DIP switches Switching threshold can be adjusted with front-side potentiometer Power is supplied via the measured circuit. The I/O circuits have 6 kV of electrical isolation. Add-on housing for TS35 rail mounting	Short specification	Limit-value monitoring component for 1- /3-phase AC and DC voltages with relay output and electrical isolation limit-value monitoring component in 22.5 mm width for recording 1-phase AC/DC voltages 200...400 V or 3-phase AC- voltages of 80...250 V. A relay contact (CO) with a switching capacity of 750 VA is available on the output side. Input ranges, high/low trip alarm, monitored voltage window and switching behaviour (for working and quiescent currents) can be configured using DIP switches Switching threshold can be adjusted with front-side potentiometer Power is supplied via the measured circuit. The I/O circuits have 6 kV of electrical isolation.
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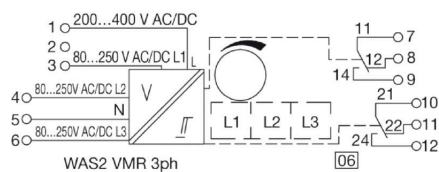
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Germanywww.weidmueller.com**Technical data**

Dimensions: L/W/H 96.5/
17.5/ 112.4 mm
Screw connection /
Nominal cross-section 2.5
mm²
Protection degree: IP 20
Input 3
phases 80 V...250 V AC
1
phase 200...400 V AC/DC

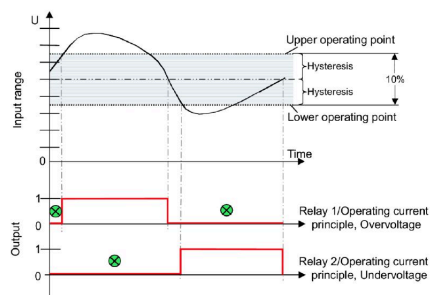
switchable
Voltage of measuring
circuit max 400 V
Output
Relay / CO
Switching current 3 A
Switching voltage 6... 250
V AC / 6...60 V DC
Switching threshold via
potentiometer
Voltage window small
10 % AC / 20 % DC //
large 12 % AC / 25 % DC
adjustable
Hysteresis 5 % AC / 6 %
DC of input
Temperature coefficient <
300 ppm K
Step response time <
300 ms
Ambient
temperature range
0 °C...+50 °C Secure
isolation EN
50178, 2-way isolation up
to 6 kV
Test voltage 4
kVeff / 1 min. Input /
Output
Rated
voltage
600 V AC/DC at
overvoltage category III
and pollution degree 2
Approvals cULus
Type
WA5 VMR 3ph

Drawings

Connection diagram



Overvoltage and undervoltage monitoring,
example of setting



Overvoltage and undervoltage monitoring,
example of setting

