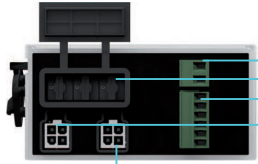


Wega 2 V

Integrated voltage detecting system



Front view



Rear view

- Auxiliary power supply
- Rotary switch
- Relay contacts
- Voltage output Compact connection
- Voltage input Compact connection

PRODUCT FEATURES

- ▶ According to the current IEC 62271-213:2021 standard
- ▶ Tool-free assembly and disassembly: saves time
- ▶ Integrated maintenance test: maintenance-free
- ▶ Retrofit ready: capacitive connection to ComPass B and Sigma D series
- ▶ Fully encapsulated electronics: high functional reliability
- ▶ Extended temperature range from -40°C to +75°C: increased application possibilities
- ▶ High display contrast: improved readability
- ▶ Phase-selective rotary switches: quick and easy commissioning
- ▶ Two independently current-carrying relay contacts: secure remote signalling and locking options
- ▶ LRM interface on the front: fully compliant with IEC 62271-213:2021

Wega 2 V is a three-phase voltage detecting system that indicates subsequent medium voltage conditions:

- Voltage present
Threshold values for voltage presence indication: 0.1—0.45 x Vnom
- Voltage present
Integrated maintenance test passed
- Voltage present
Integrated maintenance test passed
Voltage signal too high (overvoltage indication)
- Voltage not present

The built-in display test function on the front allows the display to be tested when installed and de-energised. Shielded or unshielded cables with compact connections can be connected to the fault direction indicator. Fifteen different C2 settings can be made in a user-friendly manner via phase-selective rotary switches. The correct C2 setting is shown on the display (arrow and dot symbol without overvoltage indicator).

The voltage status of the system panel can be signalled remotely or used for interlocking purposes via two independent relay contacts. The additional LEDs (green: V = 0 and red: V ≠ 0) provide information about the relay switch positions.

Technical data	Wega 2 V
Nominal voltage	1—52 kV (nominal voltage of switchgear, further values on request)
Nominal frequency	50—60 Hz
Interface	<ul style="list-style-type: none"> ▶ 3 LRM measuring sockets (one per phase) and 1 earth socket ▶ LRM system, 14 mm distance between sockets, with captive anti-dust cap
Indication	<ul style="list-style-type: none"> ▶ LCD display with arrow, dot and wrench tool ▶ LED display, U=0 and U≠0
Remote signalling	2 alternating relay contacts
Power supply	<ul style="list-style-type: none"> ▶ LCD display: fed by measuring voltage ▶ Relay and LEDs via 24—230 V AC/DC power supply
Input/ Output	Input: compact connection (AMP) Output: compact connection (AMP)
Housing	Polycarbonate, IP54
Temperature range	-40 °C to +75 °C

Universal solution for new installations and retrofit — Wega 2 V

Capacitor cube	Adjustable capacities	Input or output	Order no.
Low-Range	0, 100, 220, 320, 470, 570, 690, 790, 820, 920, 1040, 1140, 1290, 1390, 1510, 1610 pF	4 x Flat connector 2 x AMP	51-2900-101
Mid-Range	0, 1,5, 3,3, 4,8, 6,8, 8,3, 10,1, 11,6, 15,0, 16,5, 18,3, 19,8, 21,8, 23,3, 25,1, 26,6 nF	4 x Flat connector 2 x AMP	51-2900-102
High-Range	0, 22, 33, 55, 68, 90, 101, 123, 68, 90, 101, 123, 136, 158, 169, 191 nF	4 x Flat connector 2 x AMP	51-2900-103

Further Vario variants on request.

Eaton	Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
XIRIA	Cable / Transformer / Circuit breaker		10,0—17,5 kV	Flat connector / AMP	51-2250-116
XIRIA	Cable / Transformer / Circuit breaker		13,8—24,0 kV	Flat connector / AMP	51-2250-119

Required connecting cable between Wega and directional fault indicator

Switchgear	Output Wega / Input Indicator	Indicator	Cable length	Order no.
ABB Eaton Lucy Electric Ormazabal Schneider Siemens	AMP / AMP	Sigma D and ComPass B 2.0 series, ComPass D	300 mm	49-0509-180
ABB Eaton Lucy Electric Ormazabal Schneider (RM6) Siemens	AMP / 4-pole connector	ComPass B	300 mm	49-0509-007
Driescher	AMP / AMP	Sigma D und ComPass B 2.0-Serie, ComPass D	1,300 mm	49-0509-188
Driescher	AMP / 4-pole connector	ComPass B	1,300 mm	49-0509-024
Schneider (RM AirSeT)	AMP / AMP	SIGMA D, ComPass B 2.0-Serie, ComPass D	1,000 mm	49-0509-195

Further voltage ranges and cable lengths of the connecting cables on request.

Dimension drawing see on page 132 ff | M13

Accessories



	Order no.
AMP flat plug adapter cable set Enables the C1 decoupling to be connected to a Wega 2 V via a flat plug	49-0509-110