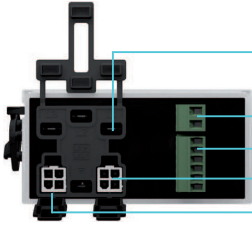


Wega 2

Integrated voltage detecting system



Front view



Rear view

- Voltage input flat terminal
- Auxiliary power supply
- Relay contacts
- Voltage input Compact connection
- Voltage output 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
- ▶ Overvoltage display: phase-selective
- ▶ LRM interface on the front: fully compliant with IEC 62271-213:2021

Wega 2 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 display test function built into 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).

Technical data	Wega 2
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: flat terminal or compact connection (AMP) Output: compact connection (AMP)
Housing	Polycarbonate, IP54
Temperature range	-40 °C to +75 °C

The following variants are only for new installations.

ABB			
Switchgear	Switchgear panel	Voltage range	Order no.
SafeRing / SafePlus	Cable / Transformer / Circuit breaker	10–20 kV	51-2800-105

Driescher			
Switchgear	Switchgear panel	Voltage range	Order no.
Minex / Minex-C	Cable / Transformer / Circuit breaker	10–20 kV	51-2900-108 (Wega 2 V)

Eaton			
Switchgear	Switchgear panel	Voltage range	Order no.
XIRIA	Cable / Transformer / Circuit breaker	10,0–17,5 kV	51-2800-116
XIRIA	Cable / Transformer / Circuit breaker	13.8–24,0 kV	51-2800-119

Ormazabal			
Switchgear	Switchgear panel	Voltage range	Order no.
ga / gae	Cable	10–20 kV	51-2800-115
ga / gae	Transformer	10–20 kV	51-2800-106
ga / gae	Circuit breaker 630	10–20 kV	51-2800-119
ga / gae	Circuit breaker 1250	10–20 kV	51-2800-134

Schneider			
Switchgear	Switchgear panel	Voltage range	Order no.
FBX	C, C1, T1, R, RE	10–24 kV	51-2800-136
FBX	T2, CB	10–24 kV	51-2800-139
RM6	Cable / Transformer	10–20 kV	51-2800-116

Siemens			
Switchgear	Switchgear panel	Voltage range	Order no.
8DJH	Cable / Transformer / Metering	10-21,5 kV	51-2800-144

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 132ff | M13