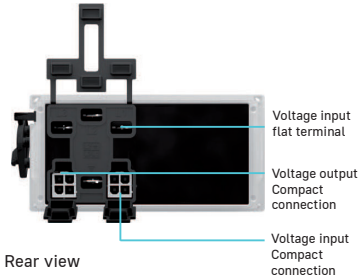




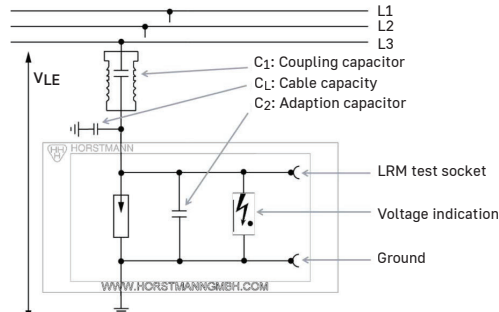
Front view



Rear view

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



Principle of an integrated voltage detecting system

Wega 1 is a three-phase voltage detecting system that indicates subsequent medium voltage conditions:

- Voltage present
Threshold values for voltage presence indication: $0.1 - 0.45 \times V_{nom}$
- 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 at the front enables verification of the display of the installed and de-energised unit. For connection, either shielded or unshielded cables with flat connectors or system connectors (AMP) can be used.

Technical data	Wega 1
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	LCD display with arrow, dot and wrench tool
Power supply	<ul style="list-style-type: none"> ▶ No auxiliary supply needed ▶ LCD display: fed by measuring voltage
Input/ Output	Input: flat terminal or compact connection (AMP) Output: compact connection (AMP)
Housing	Polycarbonate, IP54
Temperature range	-40 °C to +75 °C

ABB			
Switchgear	Switchgear panel	Voltage range	Order no.
SafeRing / SafePlus	Cable / transformer / circuit breaker	10–20 kV	51-1800-120

Driescher			
Switchgear	Switchgear panel	Voltage range	Order no.
Minex / Minex-C	Cable / transformer / circuit breaker	10–20 kV	51-1900-108 (Wega 1 V)

Eaton			
Switchgear	Switchgear panel	Voltage range	Order no.
XIRIA	Cable / transformer / circuit breaker	10.0–17.5 kV	51-1800-125
XIRIA	Cable / transformer / circuit breaker	13.8–24.0 kV	51-1800-129

Lucy Electric			
Switchgear	Switchgear panel	Voltage range	Order no.
Aegis Plus	Circuit breaker	10–24 kV	51-1800-131
Aegis Plus	Switch	10–24 kV	51-1800-121

Ormazabal			
Switchgear	Switchgear panel	Voltage range	Order no.
ga / gae	Cable	10–20 kV	51-1800-121
ga / gae	Transformer	10–20 kV	51-1800-101
ga / gae	Circuit breaker 630	10–20 kV	51-1800-129
ga / gae	Circuit breaker 1250	10–20 kV	51-1800-131
ga / gae	Metering	10–20 kV	51-1800-133

Schneider			
Switchgear	Switchgear panel	Voltage range	Order no.
FBX	C, C1, T1, R, RE	10–24 kV	51-1800-122
FBX	T2, CB	10–24 kV	51-1800-132
RM6	Cable/transformer	10–20 kV	51-1800-125

Siemens			
Switchgear	Switchgear panel	Voltage range	Order no.
8DJH	Cable / Transformer / Metering	10–21.5 kV	51-1800-144

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 switchgear types, manufacturer, voltage ranges and cable lengths on request.

Dimension drawing see on page 132 ff | M12