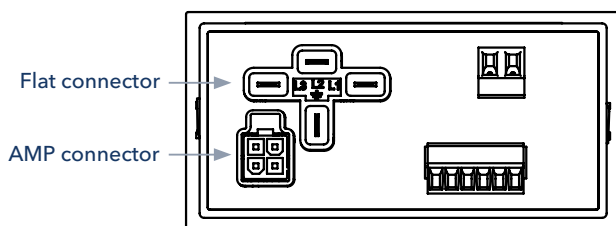


Wega 2.2 C

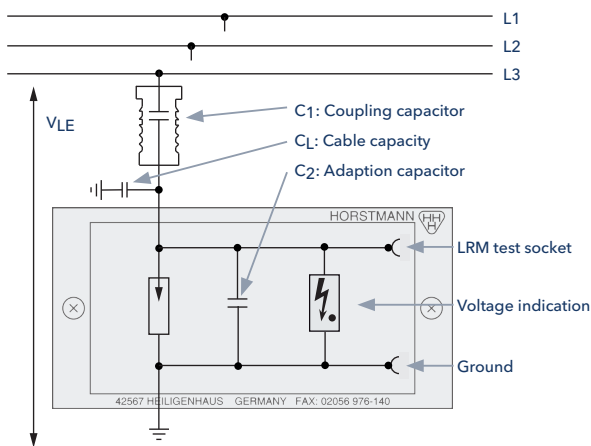
Integrated voltage detecting system



Wega 2.2 C



Back side







Principle of an integrated voltage detecting system

Product features

- Designed according to IEC 61243-5 (VDE 0682-415)
- Remote: two relay contacts
- Wide-range Wega (e. g. 10–20/24 kV): reduction of variants
- Integrated maintenance test: maintenance-free
- Retrofit ready: connection to ComPass B and Sigma D series
- Front accessible LRM interface: fully featured according to IEC 61243-5
- Fully enclosed electronics: high functional reliability
- Overvoltage indication: phase-selective

Wega 2.2 C is a 3-phase voltage detecting system, which indicates the following operating voltage states:

-  Voltage present
Threshold values for voltage presence indication: 0.1 – 0.45 x V_{nom}
-  Voltage present
Integrated maintenance test passed
-  Voltage present
Integrated maintenance test passed
Voltage signal too high (overvoltage indication)
-  Voltage not present

Additional to the LCD display the Wega 2.2 C has two LEDs (green U=0 and red U≠0). With two relay contacts the voltage state can be remotely monitored.

The built-in display test function at the front enables verification of the display of the installed and de-energised Wega 2.2 C.

For connection, either shielded or unshielded cables with flat connectors or system connectors can be used.

Technical data	Wega 2.2 C
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 indication, U = 0 and U ≠ 0
Remote signal	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
Housing	Polycarbonate, IP54
Temperature range	–25 to +65 °C

Dimension drawing in catalogue on page 160, M18



ABB

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
SafeRing/SafePlus	Cable/transformer/circuit breaker	10–24 kV	Flat connector/AMP	V51-2250-105-004

Driescher

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
Minex/Minex-C	Cable/transformer/circuit breaker	10–20 kV	Flat connector/AMP	51-2250-143

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

Ormazabal

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
ga/gae	Cable	10–20 kV	Flat connector/AMP	V51-2250-115-001
ga/gae	Transformer	10–20 kV	Flat connector/AMP	V51-2250-106-001
ga/gae	Circuit breaker 630	10–20 kV	Flat connector/AMP	V51-2250-119-001
ga/gae	Circuit breaker 1250	10–20 kV	Flat connector/AMP	V51-2250-134-001

Schneider Electric

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
FBX	C, C1, T1, R, RE	10–24 kV	Flat connector/AMP	51-2250-136
FBX	T2, CB	10–24 kV	Flat connector/AMP	51-2250-139
RM6	Cable/transformer	10–20 kV	Flat connector/AMP	51-2250-116

Siemens

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
8DJH	Cable/transformer/metering	10–21.5 kV	Flat connector/AMP	51-2250-124

Required connection cable between Wega and directional fault indicator

Switchgear	Output Wega/Input indicator	Indicator	Cable length	Order no.
ABB Eaton Lucy Electric Ormazabal Schneider Electric (RM6)	AMP/AMP	Sigma D and ComPass B 2.0 series	300 mm	49-0509-180
ABB Eaton Lucy Electric Ormazabal Schneider Electric (RM6)	AMP/4-pole connector	ComPass B	300 mm	49-0509-007
Driescher	AMP/AMP	Sigma D and ComPass B 2.0 series	1,300 mm	49-0509-188
Driescher	AMP/4-pole connector	ComPass B	1,300 mm	49-0509-024
Schneider Electric (FBX) Siemens	Flat connector/AMP	Sigma D and ComPass B 2.0 series	300 mm	49-0509-190
Schneider Electric (FBX) Siemens	Flat connector/4-pole connector	ComPass B	300 mm	49-0509-008

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