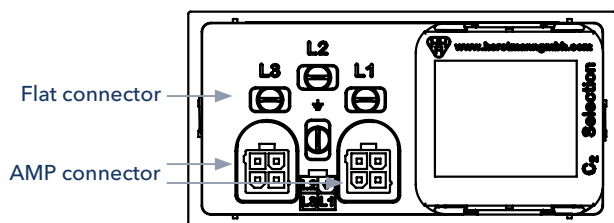


Wega 1.2 C vario

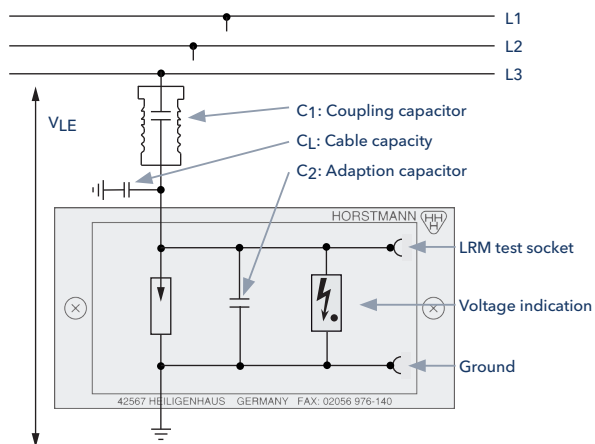
Integrated voltage detecting system



Wega 1.2 C vario



Back side







Principle of an integrated voltage detecting system

Product features

- Designed according to IEC 61243-5 (VDE 0682-415)
- Wide-range Wega (e.g. 10 – 20 / 24 kV):
Reduction of variants due to pluggable capacitor cube
- 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 1.2 C vario 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 Vnom
-  Voltage present
Integrated maintenance test passed
-  Voltage present
Integrated maintenance test passed
Voltage signal too high (overvoltage indication)
-  Voltage not present

Wega 1.2 C vario can be used to upgrade an HR interface to LRM interface.

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

To ensure flexibility, an adjustable capacitor cube is plugged in on the back of the device allowing the use of various balancing capacitors. For connection, either shielded or unshielded cables with flat connectors or system connectors can be used.

Optional: Mounting kit consisting of support frame with magnet on the back along with connection cable for HR interface for easy attachment on the front face of switchgear units.

Technical data	Wega 1.2 C vario
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
Housing	Polycarbonate, IP54
Temperature range	–25 to +65 °C

Dimension drawing in catalogue on page 160, M17



The following variants are only for new installations!

ABB

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
SafeRing/SafePlus	Cable/transformer/circuit breaker	10 kV, 20 kV	Flat connector/AMP	V51-1300-001-004

Driescher

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
Minex/Minex-C	Cable/transformer/circuit breaker	10 kV	Flat connector/AMP	V51-1300-001-161
Minex/Minex-C	Cable/transformer/circuit breaker	20 kV	Flat connector/AMP	V51-1300-001-004
PSA-10/-20/-30	Cable	4.6–36 kV	Flat connector/AMP	V51-1300-001-101

Eaton

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
XIRIA	Cable/transformer/circuit breaker	4.15–7.2 kV, 7.2–14 kV, 13–24 kV	Flat connector/AMP	V51-1300-001-121

Lucy Electric

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
Aegis Plus	Circuit breaker/switch	30–36 kV	Flat connector/AMP	V51-1300-001-002
Aegis 2	Circuit breaker/switch	7.2–36 kV/7.2–26 kV	Flat connector/AMP	V51-1300-001-002

Ormazabal

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
ga/gae	Cable/transformer	3–24 kV	Flat connector/AMP	V51-1300-001-151
ga/gae	Circuit breaker 630 A	10 kV	Flat connector/AMP	V51-1300-001-004
ga/gae	Circuit breaker 630 A	20 kV	Flat connector/AMP	V51-1300-001-155
ga/gae	Circuit breaker 1250 A/metering	10 kV, 20 kV	Flat connector/AMP	V51-1300-001-155

Schneider Electric

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
FBX	C, C1, T1, R, RE, T2, CB	3–30/34 kV	Flat connector/AMP	V51-1300-001-302
RM6	Cable/transformer	3–26 kV	Flat connector/AMP	V51-1300-001-301

Siemens

Switchgear	Switchgear panel	Voltage range	Input or output	Order no.
8DJH	Cable/transformer/metering	4.8–26 kV	Flat connector/AMP	V51-1300-001-201
NXPLUS C	Outside cone	10 kV, 20 kV	Flat connector/AMP	V51-1300-001-202

Universal solution for new installations and retrofit

Capacitor cube	Adjustable capacities	Voltage range	Connector	Order no.
Low range	0, 100, 220, 470,820 pF		4 x flat connector	V51-1300-001-001
Mid range	0.0, 1.5, 3.3, 6.8, 15.0 nF		2 x AMP	
Mid range	0.0, 1.5, 3.3, 6.8, 15.0 nF		4 x flat connector	V51-1300-001-002
High range	0, 22, 33, 68, 68 nF ¹⁾		2 x AMP	
Mid range	0.0, 1.5, 3.3, 6.8, 15.0 nF		4 x flat connector	V51-1300-001-004
Low range	0, 100, 220, 470,820 pF		2 x AMP	
Mid range	0.0, 1.5, 3.3, 6.8, 15.0 nF		4 x flat connector	V51-1300-001-003
High range	0, 22, 33, 68, 68 nF		2 x AMP	

1) Further capacities adjustable via jumper..

Required connection cable between Wega and directional fault indicator – Wega 1.2 C vario including capacitor cube

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.