

Integrated voltage detecting systems

	Wega 1.2 C	Wega 1.2 C vario	Wega 2.2 C	Wega 3	Wega LRM based on IEC 61243-5	Wega T1
Function	Wega 1.2 C	Wega 1.2 C vario	Wega 2.2 C	Wega 3	Wega LRM based on IEC 61243-5	Coupling for transformers
3 phase VDS according to IEC 61243-5	■					
Capacitive voltage coupling for ComPass B series and Sigma D series	■					
Overvoltage indication	■					
Integrated permanent maintenance test	■					
Integrated display test (without auxiliary supply)	■					
Fully enclosed electronics	■					
Adjustable C2 capacity	—					
Assembly set for retrofit	—					
Nominal voltage/nominal frequency						
Nominal voltage of switchgear	1 – 52 kV	1 – 52 kV	1 – 52 kV	1 – 52 kV	1 – 52 kV	1 – 52 kV
Nominal frequency 50 Hz / 60 Hz	■					
Display/LCD indication	■/—	■/—	■/■	■/—	—/—	■/—
Display powered by measured voltage	■					
LCD symbols						
Voltage present	■					
Threshold value: 0.1 – 0.45 x Vnom	■					
Voltage present	■					
Integrated maintenance test passed	■					
Voltage present	■					
Integrated maintenance test passed	■					
Voltage signal too high (overvoltage)	—					
Voltage not present	■					
LRM interface						
Front accessible, fully featured LRM interface (L1/L2/L3)	■					
Earth socket	■					
Communication						
Connections						
Flat connector	■					
System connector (AMP)	■					
Power supply						
External auxiliary supply	—					
* Flat connector or system connector available	—			■		

Remote monitoring solutions for underground networks

	Reporter 3.0	Reporter 4.0	ComPass AX12	ComPass BX12
Function				
SCADA				
iHost		■		
Data source			■ (integrated)	■ (integrated)
Short-circuit and earth fault indicator	■			
Information				
Short-circuit and earth fault indication	■			
Monitoring		■	■ (I)	■ (I+U)
Transmission of signal field strength	■			
Communication				
Inputs				
Analogical	2 (4 – 20 mA)	8 (4 – 20 mA)	8 (4 – 20 mA)	8 (4 – 20 mA)
Digital	16	16	16	16
Modbus		47 Modbus (digital) 60 Modbus (analogue)	47 Modbus (digital) 60 Modbus (analogue)	47 Modbus (digital) 60 Modbus (analogue)
LCD display/LED indication	■/—	■/—	■/■	■/■
Display powered by measured voltage	■	—/—	■	■
LCD symbols				
Voltage present	■			
External auxiliary supply	—	(100 – 240 V AC)	(85 – 264 V)	(85 – 264 V)
Voltage indication				
Visual	■			
Visual and audible	■			
Back-up battery (rechargeable)	—	■	■	■
Long-life lithium cell	■	—	■	■
Housing				
Material	Glas fibre reinforced polycarbonate	Glas fibre reinforced polyester	Glas fibre reinforced polyester	Glas fibre reinforced polyester
Degree of protection	IP66	IP66	IP66	IP66
Dimensions (WxHxD) [mm]	136 x 245 x 88	250 x 410 x 180	300 x 458 x 229	300 x 461 x 229
Cable entries	3	4	11	7
Locking	Screws	Padlock	Padlock	Padlock
Relay contacts				
Communication		Wall mounting	Wall mounting	Wall mounting
Connections				
Flat connector	■			
System connector (AMP)	■			
Power supply				
External auxiliary supply	—			
* Flat connector or system connector available	—	—	—	—

iHost – Monitor your entire grid around the clock

	FL-I	Comet BL-I/Comet BL-A	Comet BK-I/Comet BK-A	Comet BS-I/Comet BS-A	Compare 2.0	PG II
Function						
Environmental conditions						
Indoor*	■	BL-I: ■	BK-I: ■	BS-I: ■		■
Indoor and outdoor**	—	BL-A: ■	BK-A: ■	BS-A: ■		—
Self-test	—	■	■	■	■	—
Voltage indication						
Visual	■					■
Visual and audible	■					—
Nominal voltage [kV]						
5	—					
6	■					
10	■					
20	■					
30	—					
5–10	—					
6–10	—					
10–20	■					
20–30	—					
20–36	—					
Voltage range selectable	—					
Dismountable	■					
Length [mm]***	1,270–1,370	1,270–1,570	900–955	1,570	1,420	1,220–1,420
Weight [g]****	700–1,000	700–1,000	750–850	BS-I: 850	900	1,600

Voltage detectors / Phase comparators

■ Data concentrator for short-circuit and earth fault indicators
■ Data on demand
■ Bundles and processes all data received from remote field devices
■ Customised visualisation of data and alarms
■ Individual notifications, generated automatically
■ Embedded database
■ Grid data available from day one of installation
■ Grid monitoring: system overview, data analysis, health checks
■ Flexible data provision for asset management, planning, engineers and further user
■ Configuration and firmware updates from SCADA

* Can be used outside, but not under wet conditions!

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Can be used under wet conditions.

*** Other voltage ranges on request.

**** Length and weight vary depending on the version.

