Technical Data Single-phase and Three-phase Energy Meters and Energy Consumption Indicator

Eltako ELECTRONICS

	EVA12-32 A **WSZ15D-32A** MID **WSZ15DE-32 A** **WZR12-32 A**	**WSZ15D-65 A** MID	**DSZ15D-3x80 A** MID **DSZ15DE-3x80 A** **DSZ15DM-3x80A** MID **DSZ14DRS-3x80A** MID	**DSZ15WD-3x5 A** MID **DSZ15WDM-3x5 A** MID **DSZ14WDRS-3x5 A** MID
Rated voltage Extended range	230 V, 50 Hz -20 % / +15 %	230 V, 50 Hz -20 % / +15 %	3x230/400 V, 50 Hz -20 % / +15 %	3x230/400 V, 50 Hz -20 % / +15 %
Reference current I_{ref} (Limiting current I_{max})	5 (32) A	10 (65) A	3x10 (80) A	3x5(6) A
Internal consumption Active power	0.4 W EVA12, WZR12: 0.5 W	0.4 W	0.5 W per path DSZ14DRS: 0.8 W at L1	0.5 W per path DSZ14WDRS: 0.8 W at L1
Display	LC display 7 digits, therefrom 1 or 2 digits after the decimal point	LC display 7 digits, therefrom 1 or 2 digits after the decimal point	LC display 7 digits, therefrom 1 or 2 digits after the decimal point	LC display 7 digits, therefrom 1 digit after the decimal point
Display instantaneous values	WSZ15D: With a key you can select active power, voltage and current WSZ15DE: Active power displayed for 5 seconds every 30 seconds EVA12, WZR12: active power	With a key you can select active power, voltage and current	With a key you can select total active energy and active energy resettable, power, voltage and current per phase tariff 1 and tariff 2	With a key you can select total active energy and active energy resettable, power, voltage and current per phase
Accuracy class ± 1%	B	B	B	B
Inrush current according to accuracy class B	20 mA	40 mA	40 mA	10 mA
Operating temperature	-25/+55°C EVA12, WZR12: -10/+55°C	-25/+55°C	-25/+55°C	-25/+55°C
Interface (not EVA12, WZR12)	DSZ15DM and DSZ15WDM with M-bus interface. DSZ14DRS and DSZ14WDRS with interface for Eltako RS485 bus. All else: Pulse interface S0 according to DIN EN 62053-31, potential free by opto-coupler, max. 30 V DC/20 mA and min. 5V DC. Impedance 100 ohms.			
	pulse length 30 ms	pulse length 30 ms	pulse length 30 ms	pulse length 30 ms
	2000 Imp./kWh	2000 Imp./kWh	1000 Imp./kWh	10 Imp./kWh
Terminal cover sealable	With sealing cap PK18. For the current path 1 sealing cap is required	With sealing cap PK18. For the current path 1 sealing cap is required	Terminal cover claps	Terminal cover claps
Protection degree	IP50 for mounting in distribution cabines with protection class IP51			
Maximum conductor cross section	6 mm² WSZ15D, WSZ15DE: L terminals 16 mm²	L terminals 16 mm², N and S0 terminals 6 mm²	N and L terminals 16 mm², S0, M-Bus and RS485 bus terminals 6 mm² DSZ15D/DE/DM-3x80A and DSZ14DRS-3x80A: L terminals 25 mm²	

The N terminal of three-phase energy meters must be connected, if not the electronics might be destroyed.

To comply with DIN VDE 0100-443 and DIN VDE 0100-534, a Type 2 or Type 3 surge protection device (SPD) must be installed.

Compliance with: EN 50470