

TECHNICAL DATA SINGLE-PHASE AND THREE-PHASE ENERGY METERS AND ENERGY CONSUMPTION INDICATOR



	EVA12-32A WSZ14DSR-32A MID WSZ14DSRE-32A WSZ15D-32A MID WSZ15DE-32A WZR12-32A WSZ155 MID	WSZ15D-65A MID	DSZ15D-3x80A MID DSZ15DE-3x80A DSZ15DM-3x80A MID DSZ15DZ-3x80A MID DSZ15DZE-3x80A DSZ15DZMOD-3x80A MID DSZ14DRS-3x80A MID DSZ14DRSZ-3x80A MID DSZ180CEE MID	DSZ15WD-3x5A MID DSZ15WDM-3x5A MID DSZ14WDRS-3x5A MID	MFSR12DX- 230V	ZGW16WL-IP KNX RTU 886
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%	230 V, 50 Hz -20%/+15%	230 V, 50 Hz -20%/+15%
Reference current I_{ref} (Limiting current I_{max})	5(32)A WSZ155: Rated current 16 A	10(65)A	3x10(80)A DSZ180CEE-32A: Rated current 32A DSZ180CEE-16A: Rated current 16A	3x5(6)A	16 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	0.6 W	ZGW16WL-IP: 0.9 W
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, WSZ155: 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 reseta- ble, power, voltage and current per phase tariff 1 and tariff 2 (not DSZ180)	With a key you can select total active energy and active energy resettable, pow- er, voltage and current per phase	-	-
Accuracy class $\pm 1\%$	B	B	B	B	-	-
Inrush current according to accuracy class B	20 mA	40 mA	40 mA	10 mA	-	-
Operating temperature	-40/+70°C EVA12, WZR12: -10/+55°C	-40/+70°C	-40/+70°C	-40/+70°C	-20/+50°C	ZGW16WL-IP: -20/+50°C KNX RTU 886: -5/+45°C
Interface (not DSZ180, EVA12, WZR12, WSZ155)	DSZ15DM and DSZ15WDM with M-Bus interface. DSZ15DZMOD with Modbus interface. DSZ14DRS, DSZ14DRSZ, DSZ14WDRS, WSZ14DRS and WSZ14DRSE with interface for the ELTAKO RS485 bus. Other- wise pulse output S0 according to DIN EN 62053-31, potential-free through an optocoupler, max. 30 V DC/20 mA and min. 5 V DC. Impedance 100 ohms.				S0 or IR interface	ZGW16WL-IP: Modbus KNX RTU 886: KNX and Modbus interface
	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			Terminal cover claps (not DSZ180)	Terminal cover claps	-	-
Protection degree	IP50 for mounting in distribution cabins with protection class IP51 WSZ155: housing: IP68, plug/coupling: IP44 (WSZ155FBSS IP54), PRCD IP66		IP50 for mounting in distribution cabins with protection class IP51 DSZ180: housing: IP68, plug/coupling: IP44		IP20	ZGW16WL-IP: IP20 KNX RTU 886: IP20
Maximum conductor cross section	6 mm ² WSZ15D, WSZ15DE: L terminals 16 mm ² (not WSZ155)	L terminals 16 mm ² , N and S0 terminals 6 mm ²	N and L terminals 16 mm ² , S0, M-Bus, Modbus and RS485 bus terminals 6 mm ² DSZ15D/DE/DM/DZ/DZE/DZMOD-3x80A, DSZ14DRS/DRSZ-3x80A: L terminals 25 mm ² (not DSZ180)		6 mm ²	ZGW16WL-IP: 6 mm ² KNX RTU 886: 2.5 mm ²

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 1 or Type 2 surge protection device (SPD) must be installed.