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

Eltako ELECTRONICS

	EVA12-32A **WSZ12D-32A** MID **WSZ12DE-32A** **WZR12-32A**	**WSZ12D-65A** MID **WSZ12DE-65A**	**DSZ12D-3x80A** MID **DSZ12DE-3x80A** **DSZ12DM-3x65A** MID	**DSZ12WD-3x5A** MID
Rated voltage Extended range	230V, 50Hz -20%/+15%	230V, 50Hz -20%/+15%	3x230/400V, 50Hz -20%/+15%	3x230/400V, 50Hz -20%/+15%
Reference current I_{ref} (Limiting current I_{max})	5(32)A	10(65)A	3x10(80)A DSZ12DM: 3x10(65)A	3x5(6)A
Internal consumption Active power	0.5W WSZ12D: 0.4W	0.5W WSZ12D: 0.4W	0.5W per path	0.5W per path
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	WSZ12D: With a key you can select active power, voltage and current EVA12, WSZ12DE, WZR12: active power	WSZ12D: With a key you can select active power, voltage and current WSZ12DE: active power	With a key you can select total active energy and active energy resettable, power, voltage and current per phase. DSZ12D, DSZ12DE: 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	20mA	40mA	40mA	10mA
Operating temperature	-10/+55°C WSZ12D: -25/+55°C	-10/+55°C WSZ12D: -25/+55°C	-25/+55°C	-25/+55°C
Interface (not EVA12, WZR12)	DSZ12DM with M-bus interface, all else: Pulse interface S0 according to DIN EN 62053-31, potential free by opto-coupler, max. 30V DC/20mA and min. 5V DC. Impedance 100 ohms			
	WSZ12D: pulse length 30ms WSZ12DE: pulse length 50ms	WSZ12D: pulse length 30ms WSZ12DE: pulse length 50ms	pulse length 30ms	pulse length 30ms
	2000 Imp./kWh	2000 Imp./kWh WSZ12DE-65A: 1000 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	6mm² WSZ12D: L terminals 16mm²	L terminals 16mm², N and S0 terminals 6mm²	N and L terminals 16mm², S0 or M-bus terminals 6mm² DSZ12D/DSZ12DE-3x80A: L terminals 25mm²	

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