

# Technical Data WSZ12B-32A

	CE
	<b>WSZ12B-32 A</b>
Rated voltage	230V, 50Hz, tolerance -20%/+15%
Rated current I <sub>n</sub> (I <sub>max</sub> )	5 (32)A
Internal power consumption	0.3W
Display	Drum type register with 6 digits for kWh and 1 decimal digit
Accuracy Class for ±1%	B
Inrush current	20mA according to Accuracy Class 1
Ambient temperature limits	-25/+55°C according EN 50470-1
Interface	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, pulse length 50ms, 2000 Imp/kWh
Terminal cover sealable	This energy meter can be covered and sealed with sealing caps PK18. For the current path only 1 sealing cap is required.
Protection degree	IP50 for mounting in distribution cabins with protection class IP 51
Maximum conductor cross-section	6 mm <sup>2</sup>
Two N terminals	For secure cross wiring of several counters.
<b>Compliance with</b>	<b>EN 62053-21, EN 50470 (MID)</b>

Types/Max. current	EAN (4010312..)	Euro/pc.
<b>WSZ12B-32 A</b>	500507	<b>129,00</b>

Recommended retail prices excluding VAT.

# Technical Data WSZ12B-65 A

	CE
	<b>WSZ12B-65 A</b>
Rated voltage	230V, 50Hz, tolerance -20%/+15%
Rated current I <sub>n</sub> (I <sub>max</sub> )	10 (65)A
Internal power consumption	0.3W
Display	Drum type register with 6 digits for kWh and 1 decimal digit
Accuracy Class for ±1%	B
Inrush current	40mA according to Accuracy Class 1
Ambient temperature limits	-25/+55°C according EN 50470-1
Interface	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, pulse length 50ms, 1000 Imp/kWh
Terminal cover sealable	This energy meter can be covered and sealed with sealing caps PK36. For the current path 1 sealing cap is required.
Protection degree	IP50 for mounting in distribution cabins with protection class IP51
Maximum conductor cross-section	N and L terminals 16mm <sup>2</sup> , S0 terminal 6mm <sup>2</sup>
Two N terminals	For secure cross wiring of several counters.
<b>Compliance with</b>	<b>EN 62053-21, EN 50470 (MID)</b>

Types/Max. current	EAN (4010312..)	Euro/pc.
<b>WSZ12B-65 A</b>	500460	<b>140,00</b>

Recommended retail prices excluding VAT.

# Technical Data DSZ12B-3x65 A

CE		
<b>DSZ12B-3x65 A</b>		
Rated voltage	3x230/400V, 50Hz, tolerance -20%/+15%	
Rated current I <sub>n</sub> (I <sub>max</sub> )	10 (65)A	
Internal power consumption	0.5 W	
Display	Drum type register with 6 digits for kWh and 1 decimal digit	
Accuracy Class for ±1%	B	
Inrush current	40mA according to Accuracy Class 1	
Ambient temperature limits	-25/+55°C according EN 50470-1	
Interface	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, pulse length 50ms, 100 Imp/kWh	
Terminal cover sealable	This energy meter can be covered and sealed with sealing caps PK36. For the current paths 2 sealing caps are required.	
Protection degree	IP50 for mounting in distribution cabins with protection class IP 51	
Maximum conductor cross-section	N and L terminals 16mm <sup>2</sup> , S0 terminal 6mm <sup>2</sup>	
<b>Compliance with</b>	<b>EN 62053-21 (61036)</b>	
Types/Max. current	EAN (4010312..)	Euro/pc.
<b>DSZ12B-3x65 A</b>	500552	<b>239,00</b>

Recommended retail prices excluding VAT.

# Technical Data DSZ12B-T2-3x65 A

CE

## DSZ12B-T2-3x65 A

Rated voltage	3x230/400V, 50Hz, tolerance -20%/+15%
Rated current I <sub>n</sub> (I <sub>max</sub> )	10 (65)A
Internal power consumption	0.5W
Display	2 Drum type register per tariff with 6 digits for kWh and 1 decimal digit each
Accuracy Class for ±1%	B
Inrush current	40mA according to Accuracy Class 1
Ambient temperature limits	-25/+55°C according EN 50470-1
Interface	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, pulse length 50ms, 100 Imp/kWh
Terminal cover sealable	This energy meter can be covered and sealed with sealing caps PK36. For the current paths 2 sealing caps are required.
Protection degree	IP50 for mounting in distribution cabinets with protection class IP51
Maximum conductor cross-section	N and L terminals 16mm <sup>2</sup> , S0 terminal 6mm <sup>2</sup>

### Compliance with

**EN 62053-21 (61036)**

Types/Max. current	EAN (4010312..)	Euro/pc.
<b>DSZ12B-T2-3x65 A</b>	500576	<b>279,00</b>

Recommended retail prices excluding VAT.

# Technical Data EDZ12B-3x65 A

	CE
	<b>EDZ12B-3x65 A</b>
Rated voltage	3x230/400V, 50Hz, tolerance $\pm 10\%$
Rated current $I_n$ (I <sub>max</sub> )	5(65)A
Internal power consumption	1 W
Display	LC display with 6 digits for kWh and 2 decimal digits
Accuracy Class for $\pm 1\%$	1
Inrush current	20mA according to Accuracy Class 1
Ambient temperature limits	-25/+55°C according EN 50470-1
Interface	Pulse interface S0 according to DIN EN 62053-31, potential free by an OptoMOS unit, max. 230V UC, 100 mA; impulse length 30ms, 1000Imp/kWh.
Terminal cover sealable	This energy meter is equipped with a sealable terminal cover
Protection degree	IP50 for mounting in distribution cabinets with protection class IP51
Maximum conductor cross-section	N and L terminals 16mm <sup>2</sup> , S0 terminal 2.5mm <sup>2</sup>
<b>Compliance with</b>	<b>EN 62053-21 (61036)</b>

Front panel-cover frame FTR including housing for operating instructions GBA12 see accessories page Z2.

Types/Max. current	EAN (4010312..)	Euro/pc.
<b>EDZ12B-3x65 A</b> calibrated	500484	<b>279,00</b>

Recommended retail prices excluding VAT.

# Technical Data EDZ12B-T2-3x65 A

	CE
	<b>EDZ12B-T2-3x65 A</b>
Rated voltage	3x230/400V, 50Hz, tolerance $\pm 10\%$
Rated current I <sub>n</sub> (I <sub>max</sub> )	5(65)A
Internal power consumption	1 W
Display	LC display with 6 digits for kWh and 2 decimal digits, with one key to select tariff 1 or tariff 2
Accuracy Class for $\pm 1\%$	1
Inrush current	20mA according to Accuracy Class 1
Ambient temperature limits	-25/+55°C according EN 50470-1
Interface	Pulse interface S0 according to DIN EN 62053-31 , potential free by an OptoMOS unit, max. 230V UC, 100 mA; impulse length 30ms, 1000Imp/kWh.
Terminal cover sealable	This energy meter is equipped with a sealable terminal cover
Protection degree	IP50 for mounting in distribution cabins with protection class IP51
Maximum conductor cross-section	N and L terminals 16mm <sup>2</sup> , S0 terminal 2.5mm <sup>2</sup>
<b>Compliance with</b>	<b>EN 62053-21 (61036)</b>

Front panel-cover frame FTR including housing for operating instructions GBA12 see accessories page Z2.

Types/Max. current	EAN (4010312..)	Euro/pc.
<b>EDZ12B-T2-3x65 A</b> calibrated	500712	<b>325,00</b>

Recommended retail prices excluding VAT.

# Technical Data EDZ12WB-5 A

	CE
	<b>EDZ12WB-5A</b>
Rated voltage	3x230/400V, 50Hz, tolerance $\pm 10\%$
Maximum current	5A
Internal power consumption	1W
Display	LC display with 5 digits for kWh and 3 decimal digits
Accuracy Class for $\pm 1\%$	1
Inrush current	2mA according to Accuracy Class 1
Ambient temperature limits	-25/+55°C according EN 50470-1
Interface	Pulse output S0 according to DIN EN 62053-31, potential free by an OptoMOS unit, max. 230V UC, 100 mA; pulse length 100ms, 1000Imp/kWh.
Terminal cover sealable	This energy meter is equipped with a sealable terminal cover
Protection degree	IP50 for mounting in distribution cabinets with protection class IP 51
Maximum conductor cross-section	S0 terminals 2.5 mm <sup>2</sup> , otherwise 6 mm <sup>2</sup>
<b>Compliance with</b>	<b>EN 62053-21 (61036)</b>

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Types/Max. current	EAN (4010312..)	Euro/pc.
<b>EDZ12WB-5A</b> calibrated	500606	<b>287,70</b>

Recommended retail prices excluding VAT.

# Technical Data EDZ12WS-5A

<b>CE</b>	
<b>EDZ12WS-5A</b>	
Rated voltage	3x230/400V, 50Hz, tolerance $\pm 10\%$
Maximum current	5A
Internal power consumption	1 W
Display	LC display with 8 digits, up to 4 decimal digits settable
Accuracy Class for $\pm 1\%$	1
Inrush current	2mA according to Accuracy Class 1
Ambient temperature limits	-25/+55°C according EN 50470-1
Interface	Pulse output SO according to DIN EN 62053-31, potential free by an OptoMOS unit, max. 230V UC, 100 mA; Pulse constant in steps from 100 to 10000 and pulse length from 30 to 100 ms settable with key.
Terminal cover sealable	This energy meter is equipped with a sealable terminal cover
Protection degree	IP50 for mounting in distribution cabins with protection class IP51
Maximum conductor cross-section	SO terminals 2.5 mm <sup>2</sup> , otherwise 6mm <sup>2</sup>
<b>Compliance with</b>	<b>EN 62053-21 (61036)</b>

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Types/Max. current	EAN (4010312..)	Euro/pc.
<b>EDZ12WS-5A</b>	500613	<b>287,70</b>

Recommended retail prices excluding VAT.

## Technical Data EWZ12E-32 A and WSZ12E-32 A

- Electronic energy meters 230V
- Rated current  $I_n$  ( $I_{max}$ ) 5(32)A, 50-60Hz, EWZ12E-32A: 50Hz
- EN 62053-21 (EN 61036)
- 18mm wide (1 module)
- Accuracy class 1 (max. 1% inaccuracy)
- Internal power consumption (active power) 0.3W
- Starting current  $\leq 20$ mA
- Ambient temperature limits from  $-10^\circ\text{C}$  to  $+45^\circ\text{C}$
- Display drum type register with 6 digits for kWh and 1 red decimal digit  
EWZ12E-32A: Display with 7 digits. Up to 99999,99 kWh 2 decimal places thereafter 1 decimal place
- Pulse interface S0 according to DIN EN 62053-31 for energy-management-systems, potential free by an optical coupler, 5V DC up to 30V DC, at max. 20mA, depending on cable length between interface and datalogger. Impedance 100 ohms
- Impulse constant for pulse output and for LED: 2000 Imp./kWh, impulse length 50ms

## Technical Data DSZ12E-3x65 A and DSZ12E-T2-3x65 A

- Electronic three-phase energy meter and three-phase energy meter for double tariff 3x230/400V
- Rated current  $I_n$  ( $I_{max}$ ) 5(65)A, 50-60Hz
- EN 62053-21 (EN 61036)
- 72 mm wide
- Accuracy class 1 (max. 1% inaccuracy)
- Internal power consumption (active power) 0.5W each current circuit
- Starting current  $\leq 40$  mA
- Ambient temperature limits from  $-20^\circ\text{C}$  to  $+55^\circ\text{C}$
- Display drum type register(s) with 6 digits for kWh and 1 red decimal digit
- Pulse interface S0 according to DIN 43864 for energy-management- systems, potential free by an optical coupler, max. 30V DC/20mA, min. 5V DC.
- Impulse constant for pulse output and for LED: 100 Imp./kWh, impulse length 50ms