



402-MT5A-80B10

402-MT5A-80B10, Three-phase energy meter indirect connection

Code: QBP1Q.

- > Type Consumer: 1
- > Communications: RS-485 | RS-485
- > Class (Active/Reactive): 0.2S/0.5
- > System: Three-phase
- > Measure: Indirect
- > Measurement Range (V): 3x63,5/110
- > Measurement Range (A): .../5
- > Quadrants: 4
- > Frequency (Hz): 50

Description

The CIRWATT-B502 is an indirect three-phase meter, recorder, and multi-tariff device, classified as Class 0.2s as per IEC-62053-22 for active energy and Class 0.5 for reactive energy as per IEC-62053-23. It offers multiple communication options and expansion modules, allowing it to adapt to large industrial installations.

Application

CIRWATT B-502 is ideal for medium-voltage supplies using external voltage and current transformers. Offering solutions for large industries with a power capacity over 10 MW (Consumer type 1). Available in 2 quadrants for energy consumption or 4 quadrants for photovoltaic plants (energy generation and consumption).



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Indirect three-phase meter, recorder, and multi-tariff device, classified as Class 0.2s as per IEC-62053-22 for active energy

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Specifications

Mechanical characteristics	
Size (mm) width x height x depth	172 x 255 x 67 (mm)
Serial communication	
Protocol	REE, basado en IEC 870-5-102
Technology / Type	RS-485 RS-485

CIRWATT B 502

Indirect three-phase meter, recorder, and multi-tariff device, classified as Class 0.2s as per IEC-62053-22 for active energy

CODE	TYPE	Measurement Range (V)	Measurement Range (A)	Communications	Class (Active/Reactive)	System	Measure	Impulse output	Quadrants	Entrada cambio tarifa
CIRWATT B 410T										
QB860	410-QT5A-70B10	3x230/400	.../5	RS-232 RS-232	B (1) / 2	Three-phase	Indirect			
CIRWATT B 505										
QBN40	410-VT7B-A0B10	3x57/100 ... 3x230/400	.../ 1	RS-232 Ethernet	C (0,5S)/1	Three-phase	Indirect			
CIRWATT B 410T										
QB8A0	410-QT5A-80B10	3x230/400	.../5	RS-485 RS-485	B (1) / 2	Three-phase	Indirect			
QB870	410-QT5A-90B10	3x230/400	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QB870T21	410-QT5A-90B10-TRMC210-100-3.0.TD	3x230/400	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QB870T22	410-QT5A-90B10-TRMC210-200-3.0.TD	3x230/400	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QB870T23	410-QT5A-90B10-TRMC210-500-3.0.TD	3x230/400	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QB880	410-QT5A-A0B10	3x230/400	.../5	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QB890	410-QT5A-C0B10	3x230/400	.../5	RS-485 Ethernet	B (1) / 2	Three-phase	Indirect			
QBJ10	410-VT5A-90B10	3x57/100 ... 3x230/400	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBG60	410-NT5A-70B10	3x127/220	.../5	RS-232 RS-232	B (1) / 2	Three-phase	Indirect			
QBJ20	410-VT5A-A0B10	3x57/100 ... 3x230/400	.../5	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QBG70	410-NT5A-90B10	3x127/220	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QB8D0	410-QT5B-90B10	3x230/400	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBGA0	410-NT5A-80B10	3x127/220	.../5	RS-485 RS-485	B (1) / 2	Three-phase	Indirect			
QBG80	410-NT5A-A0B10	3x127/220	.../5	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QB8E0	410-QT5B-A0B10	3x230/400	.../5	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QBG90	410-NT5A-C0B10	3x127/220	.../5	RS-485 Ethernet	B (1) / 2	Three-phase	Indirect			
QBJ60	410-VT5B-90B10	3x57/100 ... 3x230/400	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBH20	410-MT5A-70B10	3x63,5/110	.../5	RS-232 RS-232	B (1) / 2	Three-phase	Indirect			
QBJ70	410-VT5B-A0B10	3x57/100 ... 3x230/400	.../5	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QBH30	410-MT5A-90B10	3x63,5/110	.../5	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBN0B	410-QT7A-90B10	3x230/400	.../ 1	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBH61	410-MT5A-80B10	3x63,5/110	.../5	RS-485 RS-485	B (1) / 2	Three-phase	Indirect			
QBH40	410-MT5A-A0B10	3x63,5/110	.../5	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QBN1B	410-QT7A-A0B10	3x230/400	.../ 1	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			



402-MT5A-80B10

Indirect three-phase meter, recorder, and multi-tariff device, classified as Class 0.2s as per IEC-62053-22 for active energy

Code: QBP1Q.

CODE	TYPE	Measurement Range (V)	Measurement Range (A)	Communications	Class (Active/Reactive)	System	Measure	Impulse output	Quadrants	Entrada cambio tarifa
QBH50	410-MT5A-COB10	3x63,5/110	.../5	RS-485 Ethernet	B (1) / 2	Three-phase	Indirect			
QBN0J	410-VT7A-90B10	3x57/100 ... 3x230/400	.../ 1	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBN1J	410-VT7A-A0B10	3x57/100 ... 3x230/400	.../ 1	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QBN2B	410-QT7B-90B10	3x230/400	.../ 1	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBN3B	410-QT7B-A0B10	3x230/400	.../ 1	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
QBN2J	410-VT7B-90B10	3x57/100 ... 3x230/400	.../ 1	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QBN3J	410-VT7B-A0B10	3x57/100 ... 3x230/400	.../ 1	RS-232 Ethernet	B (1) / 2	Three-phase	Indirect			
CIRWATT B 410D										
QB4B0D01	410-QD1A-90B10-TRIPLE TARIFA-3.0A	3x230/400	10 (100)	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QB4B0D60	410-QD1A-90B10-TRIPLE TARIFA-3.0TD	3x230/400	10 (100)	RS-232 RS-485	B (1) / 2	Three-phase	Indirect			
QB4A0	410-QD1A-70B10	3x230/400	10 (100)	RS-232 RS-232	B (1) / 2	Three-phase	Direct			
QB4B0	410-QD1A-90B10	3x230/400	10 (100)	RS-232 RS-485	B (1) / 2	Three-phase	Direct			
QB4E0	410-QD1A-80B10	3x230/400	10 (100)	RS-485 RS-485	B (1) / 2	Three-phase	Direct			
QB4C0	410-QD1A-A0B10	3x230/400	10 (100)	RS-232 Ethernet	B (1) / 2	Three-phase	Direct			
QB4D0	410-QD1A-C0B10	3x230/400	10 (100)	RS-485 Ethernet	B (1) / 2	Three-phase	Direct			
QB4H0	410-QD1B-90B10	3x230/400	10 (100)	RS-232 RS-485	B (1) / 2	Three-phase	Direct			
QB7A0	410-ND1A-70B10	3x127/220	10 (100)	RS-232 RS-232	B (1) / 2	Three-phase	Direct			
QB4I0	410-QD1B-A0B10	3x230/400	10 (100)	RS-232 Ethernet	B (1) / 2	Three-phase	Direct			
QB7B0	410-ND1A-90B10	3x127/220	10 (100)	RS-232 RS-485	B (1) / 2	Three-phase	Direct			
QB7E0	410-ND1A-80B10	3x127/220	10 (100)	RS-485 RS-485	B (1) / 2	Three-phase	Direct			
QB7C0	410-ND1A-A0B10	3x127/220	10 (100)	RS-232 Ethernet	B (1) / 2	Three-phase	Direct			
QB7D0	410-ND1A-C0B10	3x127/220	10 (100)	RS-485 Ethernet	B (1) / 2	Three-phase	Direct			
CIRWATT B 505										
QBP1I	405-MT5A-70B10	3x63,5/110	.../5	RS-232 RS-232	C (0,5S)/1	Three-phase	Indirect			
QBP1J	405-MT5A-80B10	3x63,5/110	.../5	RS-485 RS-485	C (0,5S)/1	Three-phase	Indirect			
QBP1E	405-MT5A-90B10	3x63,5/110	.../5	RS-232 RS-485	C (0,5S)/1	Three-phase	Indirect			
QBP1F	405-MT5A-A0B10	3x63,5/110	.../5	RS-232 Ethernet	C (0,5S)/1	Three-phase	Indirect			
QBP1K	405-MT5A-C0B10	3x63,5/110	.../5	RS-485 Ethernet	C (0,5S)/1	Three-phase	Indirect			
QBN00	405-VT7A-90B10	3x57/100 ... 3x230/400	.../ 1	RS-232 RS-485	C (0,5S)/1	Three-phase	Indirect			
QBN10	405-VT7A-A0B10	3x57/100 ... 3x230/400	.../ 1	RS-232 Ethernet	C (0,5S)/1	Three-phase	Indirect			
QBN30	405-VT7B-90B10	3x57/100 ... 3x230/400	.../ 1	RS-232 RS-485	C (0,5S)/1	Three-phase	Indirect			
CIRWATT B 502										
QBP1P.	402-MT5A-70B10	3x63,5/110	.../5	RS-232 RS-232	0.2S/0.5	Three-phase	Indirect			
QBP1A.	402-MT5A-90B10	3x63,5/110	.../5	RS-232 RS-485	0.2S/0.5	Three-phase	Indirect			
QBP1Q.	402-MT5A-80B10	3x63,5/110	.../5	RS-485 RS-485	0.2S/0.5	Three-phase	Indirect			
QBP1B.	402-MT5A-A0B10	3x63,5/110	.../5	RS-232 Ethernet	0.2S/0.5	Three-phase	Indirect			
QBP1R.	402-MT5A-C0B10	3x63,5/110	.../5	RS-485 Ethernet	0.2S/0.5	Three-phase	Indirect			
QBP1C	402-MT5B-90B10	3x63,5/110	.../5	RS-232 RS-485	0.2S/0.5	Three-phase	Indirect			
QBP1D	402-MT5B-A0B10	3x63,5/110	.../5	RS-232 Ethernet	0.2S/0.5	Three-phase	Indirect			
CIRWATT B101										
QBM03	210-ES7A-01B20	230	5 (65)	-	B (1)			1	Abs.	0
QBM07	210-ES7A-0EB20	230	5 (65)	-	B (1)			0	Abs.	1
CIRWATT B102										
QBM83	212-ES7A-21B20	230	5 (65)	RS-485 (IEC 62056-21)	B (1) / 2			1	Abs.	0



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CODE	TYPE	Measurement Range (V)	Measurement Range (A)	Communications	Class (Active/Reactive)	System	Measure	Impulse output	Quadrants	Entrada cambio tarifa
QBM85	212-ES7A-23B20	230	5 (65)	RS-485 (IEC 62056-21)	B (1) / 2			0	Abs.	0
QBM87	212-ES7A-2EB20	230	5 (65)	RS-485 (IEC 62056-21)	B (1) / 2			0	Abs.	1
QBMD3	212-ES7A-21B20	230	5 (65)	RS-485 (Modbus/RTU)	B (1) / 2			1	Abs.	0
QBMD5	212-ES7A-23B20	230	5 (65)	RS-485 (Modbus/RTU)	B (1) / 2			0	Abs.	0
QBMD7	212-ES7A-2EB20	230	5 (65)	RS-485 (Modbus/RTU)	B (1) / 2			0	Abs.	1

Please contact us for other configurations (Inputs, outputs and other communications)