



402-VT5A-70B10, Three-phase energy meter indirect connection

Code: QBL00 DESCATALOGADO

> Type Consumer: 1

> Communications: RS-232 | RS-232 > Class (Active/Reactive): 0.2S/0.5

> System: Three-phase > Measure: Indirect

> Measurement Range (V): 3x57/100 ... 3x230/400

> 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).







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

Code: QBL00

#### Specifications

Tolerance	80 % 115 % Un	
Consumption	< 2 W; < 10 VA	
Frequency	50 / 60 Hz	
Nominal voltage	3 x 57 (100) V 3 x 230 (400) V	
Battery specification		
Performance-guarantee	> 20 years @ 30 °C	
Туре	Lithium	
Mechanical characteristics		
Size (mm) width x height x depth	172 x 255 x 67 (mm)	
Envelope	DIN 43859	
Weight (kg)	0,67	
Environmental characteristics		
Relative humidity (without condensation)	95 % max.	
Storage temperature	-40 +85 °C	
Working temperature	-25 +70 °C	
Voltage measurement circuit		
Connection	Asymmetrical	
Consumption	< 2 W; 10 VA	
Nominal frequency	50 / 60 Hz	
Nominal voltage	3x57/100 3x230/400 V	
Current measurement circuit		
Consumption	< 0,1 V·A	
Reference current (Iref)	/ 5 A	
Maximum current	10 A	
Minimum current measurement	< 0,5 x ltr	
Optical communication interface		
Hardware	IEC 62056-21	
Protocol	REE, based on IEC 870-5-156	
Туре	Serial;bi-directional	







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

Code: QBL00

Resolution of the display	up to 8 digits (8 mm)					
Display type	LCD					
Memory						
Memory capacity	Data: non-volatile memory, Setup and events: serial-flash					
Write time	4000					
Туре	Serial flash					
Standards						
Standards	UNE-EN 50470-1 Electricity metering equipment (a.c.) Part 1: General requirements, tests and test conditions - Metering equipment -class indexes B-) UNE-EN 50470-3 Electricity metering equipment (a.c.) Part 3: Particular requirements - Static meters for active energy -class indexes B-) IEC 62052-11, IEC 62053-21, IEC 62053-22 (Standards for static active energy meters for alternating current of class 0.2s, 0.5s) UNE-EN 55022 (Conducted Emissions: Class B, Radiated Emissions: Class B) UNE-EN 61000-4-2, UNE-EN 61000-4-3, UNE-EN 61000-4-4, UNE-EN 61000-4-5, UNE-EN 61000-4-6, UNE-EN 61000-4-8, UNE-EN 61000-4-11					
PLC						
Hardware	CENELEC A or CENELEC B					
Protocol	CirPLC & PEP (PLC Encapsulated Protocol)					
Modulation system	DSCK with repeater system					
Measurement accuracy						
Reactive energy measurement (kvarh)	IEC 62053-23 (Class 0,5 / 1 / 2)					
Active energy measurement (kWh)	IEC 62053-22 (Class 0,2S)					
Features / performance						
Billing closures	12 locks per contract. Programable date and hour					
Load curve	2 load curves, programmable integration time (1 253 min)					
Optional	Communications: RS-232 / PLC ,RS-485 / PLC ,RS-232 / RS-232 , RS-485 / RS-485 , RS-485 , RS-232 / RS-485 , RS-232 / Ethernet, R-485 / Ethernet. Expansion boards: No inputs / outputs, 4 relay outputs (Rate Indicator), 2 relay inputs / 4 pulse outputs, 4 pulse inputs, Differential current measurement, 2 relay outputs / 2 pulse outputs, / 2 pulse inputs					
Tariff programming	12 days10 types of data9 types of tariffs30 public holidays12 special days					
Clock						
Source	Temperature compensated oscillator					
Accuracy (EN 61038)	< 0,5 s/day (23 °C)					
Туре	Gregorian calendar					







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

Code: QBL00

#### 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	ТҮРЕ	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			
(BJ60	410-VT5B-90B10	3x57/100 3x230/400	/5	RS-232   RS-485	B (1) / 2	Three-phase	Indirect			
)BH20	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			
QBNOB	410-QT7A-90B10	3x230/400	/ 1	RS-232   RS-485	B (1) / 2	Three-phase	Indirect			
)BH61	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			
QBH50	410-MT5A-C0B10	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			
BN2B	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			
IRWATT B	410D									
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				
QB4B0	410-QD1A-90B10	3x230/400	10 (100)	RS-232   RS-485	B (1) / 2	Three-phase				







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

Code: QBL00

10   10   10   10   10   10   10   10	CODE	ТҮРЕ	Measurement Range (V)	Measurement Range (A)	Communications	Class (Active/Reactive)	System	Measure	Impulse output	Quadrants	Entrada cambio tarifa
10   10   10   10   10   10   10   10	QB4E0	410-QD1A-80B10	3x230/400	10 (100)	RS-485   RS-485	B (1) / 2	Three-phase	Direct			
10   10   10   10   10   10   10   10	QB4C0	410-QD1A-A0B10	3x230/400	10 (100)	RS-232   Ethernet	B (1) / 2	Three-phase	Direct			
10   10   10   10   10   10   10   10	QB4D0	410-QD1A-C0B10	3x230/400	10 (100)	RS-485   Ethernet	B (1) / 2	Three-phase	Direct			
Second   S	QB4H0	410-QD1B-90B10	3x230/400	10 (100)	RS-232   RS-485	B (1) / 2	Three-phase	Direct			
B8780   410-ND1A-90810   3x127/220   10 (100)   R5-232   R5-485   B (1) / 2   Three-phase   Direct	QB7A0	410-ND1A-70B10	3x127/220	10 (100)	RS-232   RS-232	B (1) / 2	Three-phase	Direct			
March   Marc	QB4I0	410-QD1B-A0B10	3x230/400	10 (100)	RS-232   Ethernet	B (1) / 2	Three-phase	Direct			
10   10   10   10   10   10   10   10	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			
CREMATT B 505   CREMATT B 50	QB7C0	410-ND1A-A0B10	3x127/220	10 (100)	RS-232   Ethernet	B (1) / 2	Three-phase	Direct			
March   Marc	QB7D0	410-ND1A-COB10	3x127/220	10 (100)	RS-485   Ethernet	B (1) / 2	Three-phase	Direct			
New Note	CIRWATT	B 505									
No.   No.	QBP1I	405-MT5A-70B10	3x63,5/110	/5	RS-232   RS-232	C (0,5S)/1	Three-phase	Indirect			
QBPIE   405-MT5A-90B10   3x63,5/110  /5   RS-232   RS-485   C (0,5S)/1   Three-phase   Indirect	QBK10	405-VT5A-90B10		/5	RS-232   RS-485	C (0,5S)/1	Three-phase	Indirect			
QBPIF   405-MT5A-A0B10   3x63,5/110  /5   RS-232   Ethernet   C (0,55)/1   Three-phase   Indirect   C   QBPIK   405-MT5A-C0B10   3x63,5/110  /5   RS-485   Ethernet   C (0,55)/1   Three-phase   Indirect   C   QBPIK   405-WT7A-90B10   3x57/100   XS230/400  /1   RS-232   RS-485   C (0,55)/1   Three-phase   Indirect   C   QBPIK   A05-WT7A-A0B10   3x57/100   XS230/400  /1   RS-232   Ethernet   C (0,55)/1   Three-phase   Indirect   C   QBPIK   A05-WT7A-A0B10   3x57/100   XS230/400  /1   RS-232   RS-485   C (0,55)/1   Three-phase   Indirect   C   QBPIK   A05-WT7B-90B10   3x63,5/110/5   RS-232   RS-485   C (0,55)/1   Three-phase   Indirect   C   QBPIK   A02-MT5A-70B10   3x63,5/110  /5   RS-232   RS-232   C   QS/0.5   Three-phase   Indirect   C   QBPIK   A02-MT5A-80B10   3x63,5/110  /5   RS-232   RS-485   C   QS/0.5   Three-phase   Indirect   C   QBPIK   A02-MT5A-A0B10   3x63,5/110  /5   RS-485   RS-485   C   QS/0.5   Three-phase   Indirect   C   QBPIK   A02-MT5A-A0B10   3x63,5/110  /5   RS-485   RS-485   C   QS/0.5   Three-phase   Indirect   C   QBPIK   A02-MT5A-A0B10   3x63,5/110  /5   RS-485   Ethernet   C   QS/0.5   Three-phase   Indirect   C   C   C   C   C   C   C   C   C	QBP1J	405-MT5A-80B10	3x63,5/110	/5	RS-485   RS-485	C (0,5S)/1	Three-phase	Indirect			
OBPIK         405-MT5A-C0810         3x63,5/110        /5         RS-485   Ethernet         C (0,5S)/1         Three-phase Indirect           OBN00         405-VT7A-90B10         3x57/100        /1         RS-232   RS-485         C (0,5S)/1         Three-phase Indirect           OBN10         405-VT7A-40B10         3x57/100        /1         RS-232   Ethernet         C (0,5S)/1         Three-phase Indirect           OBN30         405-VT7B-90B10         3x57/100        /1         RS-232   RS-485         C (0,5S)/1         Three-phase Indirect           CICKWATT B 502         V         V         V         V         V         V           QBP1A         402-MT5A-70B10         3x63,5/110        /5         RS-232   RS-232         0.25/0.5         Three-phase Indirect         V         V           QBP1A         402-MT5A-90B10         3x63,5/110        /5         RS-232   RS-485         0.25/0.5         Three-phase Indirect         V	QBP1E	405-MT5A-90B10	3x63,5/110	/5	RS-232   RS-485	C (0,5S)/1	Three-phase	Indirect			
QBN10   405-VT7A-90B10   3x57/100   x    RS-232   RS-485   C (0,55)/1   Three-phase Indirect	QBP1F	405-MT5A-A0B10	3x63,5/110	/5	RS-232   Ethernet	C (0,5S)/1	Three-phase	Indirect			
NS-232   RS-485   C (0,5S)/1   Infee-phase Indirect	QBP1K	405-MT5A-C0B10	3x63,5/110	/5	RS-485   Ethernet	C (0,5S)/1	Three-phase	Indirect			
Section   Sect	QBN00	405-VT7A-90B10		/ 1	RS-232   RS-485	C (0,5S)/1	Three-phase	Indirect			
Composition	QBN10	405-VT7A-A0B10		/ 1	RS-232   Ethernet	C (0,5S)/1	Three-phase	Indirect			
QBPIP.       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-90B10       3x63,5/110      /5       RS-232   Ethernet       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 B102         QBMD3       212-ES7A-21B20       230       5 (65)       RS-485 (Modbus/RTU)       B (1) / 2       1       Abs.       0         QBMD5       212-ES7A-23B20       230	QBN30	405-VT7B-90B10		/ 1	RS-232   RS-485	C (0,5S)/1	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 BIOZ       20       3x63,5/110      /5       RS-232   Ethernet       0.2S/0.5       Three-phase Indirect         CIRWATT BIOZ       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	CIRWATT	B 502									
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 B102           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	QBP1P.	402-MT5A-70B10	3x63,5/110	/5	RS-232   RS-232	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 BIOZ           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	QBP1A.	402-MT5A-90B10	3x63,5/110	/5	RS-232   RS-485	0.2S/0.5	Three-phase	Indirect			
QBP1R.       402-MT5A-C0B10       3x63,5/110      /5       RS-485   Ethernet       0.25/0.5       Three-phase Indirect         QBP1C       402-MT5B-90B10       3x63,5/110      /5       RS-232   RS-485       0.25/0.5       Three-phase Indirect         QBP1D       402-MT5B-A0B10       3x63,5/110      /5       RS-232   Ethernet       0.25/0.5       Three-phase Indirect         CIRWATT B102         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	QBP1Q.	402-MT5A-80B10	3x63,5/110	/5	RS-485   RS-485	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 B102           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	QBP1B.	402-MT5A-A0B10	3x63,5/110	/5	RS-232   Ethernet	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 B102       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	QBP1R.	402-MT5A-C0B10	3x63,5/110	/5	RS-485   Ethernet	0.2S/0.5	Three-phase	Indirect			
CIRWATT B102  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	QBP1C	402-MT5B-90B10	3x63,5/110	/5	RS-232   RS-485	0.2S/0.5	Three-phase	Indirect			
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	QBP1D	402-MT5B-A0B10	3x63,5/110	/5	RS-232   Ethernet	0.2S/0.5	Three-phase	Indirect			
QBMD5 212-ES7A-23B20 230 5 (65) RS-485 (Modbus/RTU) B (1) / 2 0 Abs. 0	CIRWATT	B102									
	QBMD3	212-ES7A-21B20	230	5 (65)	RS-485 (Modbus/RTU)	B (1) / 2			1	Abs.	0
QBMD7 212-ES7A-2EB20 230 5 (65) RS-485 (Modbus/RTU) B (1) / 2 0 Abs. 1	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)







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

Code: QBL00

#### Dimensions Connections





