

	he Instrument	Technical Data				ENG
uropean conformity marking		Data in compliance with CLC/TR 50579 , EN 62059-32-1, EN 50470-1, EN 50470-3			CT connected	CT connected
Ξ Ε					Pulse output SO	built-in communication Modbus / M-Bus
		General characteristics			30	INIUUDUS / INI-DUS
puble insulation (protection category II)		Housing Mounting	DIN 43880 EN 60715	DIN 35 mm	4 modules DIN rail	4 modules DIN rail
		Depth	EN 00715	mm	70	70
		Weight Operating features		g	335	335
		Connectivity	to three-phase network	n° wires	4	4
and metrology mark with indication of year (M22) and registration number	r of the notified body for module D, country-specific calibration validity period	Storage of energy values and configuration Display tariffs identifier	for active energy	- n° 2	yes T1 and T2	yes T1 and T2
6 M 22 0051 398 / MID		Approval (according to EN 50470-1, EN 50470-3) • Type of connection	· · · · · · · · · · · · · · · · · · ·		CT/5 A or/1 A	CT/5 A or/1 A
		Reference Voltage Un	Line to Neutral	VAC	230	230
Standards, Regulat	tions and Directives	Reference Voltage Un Reference Current (Iref)	Line to Line	A	400	400
DIN 43880		Minimum Current (Imin) Maximum Current (Imax)		A	0.01	0.01
N 50470-1		Starting Current (Ist)		A	0.001	0.001
EN 50470-3 EN 60715		External CT	max. CT ratio ratio adjusting step	A	10.000/5 A or 2.000/1 A 5 or 1	10.000/5 A or 2.000/1 A 5 or 1
EN 62053-31		Reference Frequency (fn)	· · · · · · · · · · · · · · · · · · ·	A	50	50
EC 62053-23		Number of phases (number of wires) Certified Measures		- kWh	3 (4) $\rightarrow kWh, \leftarrow kWh$	3 (4) \rightarrow kWh, \leftarrow kWh
T	9 Oherene	Active Energies (accor. to EN 50470-3) and Active Powers Supply Voltage and Power Consumption	class	В	В	
	& Storage	Operating Supply Voltage range		VAC	92 276 / 160 480	92 276 / 160 480
nsport and store the instrument only within the limits of permissible ambien ainst environmental influences and mechanical stress.	nt conditions. Also use suitable packaging in order to ensure adequate protection	Maximum Power Dissipation (Voltage circuit) Maximum VA burden (Current circuit) @ Imax		VA (W) VA	< 2 (0.6) < 0.7	< 2 (0.6) < 0.7
ansi environmentai innuences anu mechanical stress.		Voltage Input Waveform		-	AC	AC
Mainte	enance	Overload capability • Voltage	continuous; phase/phase	VAC	480	480
e instrument is maintenance-free. Keep outside surfaces clean.			1 second: phase/phase continuous; phase/N	VAC VAC	800 800	800 800
an the instrument only with a dry cloth.		- 0.000 mt	1 second: phase/N	VAC	300	300
Recali	ibration	• Current	continuous Temporary (0.5 s)	A	6 120	<u>6</u> 120
mply with national recalibration regulations and laws. The calibration perio		Measuring Features		VAC	160 480	160 480
roken manufacturer's seal means equals invalidated calibration. The instru		Voltage range	phase/phase phase/N	VAC	92 276	92 276
·		Current range (secondary winding) Frequency range		A Hz	0.002 6 45 65	0.002 6 45 65
Repairs & Manufa	acturer's Guarantee	Measured Quantities		-	kWh	kWh
your instrument requires repair, please contact our service department; see		Display features • Phase sequence error indication		-	PHASE Err	PHASE Err
nauthorized modification of the instrument is prohibited. This also includes of		Display type	LCD backlightet digit dimensions	n° digits mm x mm	3x4 digits-9 digits (Energy) 6.00 x 3	3x4 digits-9 digits (Energy) 6.00 x 3
	ed personnel, no guarantee claims can be honored by the manufacturer with afety measures or any consequential damages. If the manufacturer's seal is da-	Active energy: 1 display, 9 digit - 2 tariffs	min/max displayed energy	kWh	0.01 / 99999999.9	0.01 / 99999999.9
aged or removed, all guarantee claims are rendered null and void.		Hisplay import or export (arrow) Working tariff indications	1-digit	-	T1 or T2	T1 or T2
	anufacturer's guarantee covers materials and workmanship. Damage resulting	Display refresh period Safety		S	1	1
om use for any other than the intended purpose or operating errors, as well	as any and all consequential damage, are excluded.	Protective class		class	I	-
Nisnosal & Enviror	nmental Protection	AC voltage test (EN 50470-3, 7.2) Degree of pollution		kV -	2	4
	tion in the Federal Republic of Germany. Owners or end users who are subject	Operational voltage		VAC	300	300
	respectively applicable national requirements and to implement them correctly	Impulse voltage test Housing material flame resistance	UL 94	1.2/50 µs-kV class	VO	6 V0
on site		Safety-sealing between upper and lower housing part Pulse Outputs (SO signals)	- acc. to IEC 62053-3	yes	yes	
		Pulse Output 1	adjustable	-	kWh (T1) \rightarrow , kWh \rightarrow , kWh \rightarrow	kWh (T1) \rightarrow , kWh \rightarrow , kWh \rightarrow
• The symbol on the left depicting a crossed-out garbage can	on wheels refers to the legal obligation of the owner or end user (German elec-		adjustable			
trical and electronic equipment act ElektroG and German ba	on wheels refers to the legal obligation of the owner or end user (German elec- attery act BattG) not to dispose of used electrical equipment and batteries with	Pulse Output 2 Pulse Bate		- n/kWh	kWh (T2) \rightarrow , kWh \leftarrow , kvarh \rightarrow	kWh (T2) \rightarrow , kWh \leftarrow , kvarh \rightarrow
trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash").	attery act BattG) not to dispose of used electrical equipment and batteries with	Pulse Output 2 Pulse Rate	adjustable	- p/kWh	kWh (T2) \rightarrow , kWh \leftarrow , kvarh \rightarrow 1 N (*) (*) N - dep. on CT-ratio and	
trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). • Old devices, electrical or electronic accessories and waste	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate	adjustable	- p/kWh ms	$\begin{array}{l} kWh (T2) \rightarrow, \ kWh \leftarrow, \ kvarh \rightarrow \\ 1 \ \ N (*) \\ (*) \ N \ - \ dep. \ on \ CT-ratio \ and \\ Pulse \ on \ Time) \end{array}$	
trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). • Old devices, electrical or electronic accessories and waste	attery act BattG) not to dispose of used electrical equipment and batteries with	Pulse Rate Pulse ON-time Operating Voltage		ms VAC (VDC)	kWh (T2) \rightarrow , kWh \leftarrow , kvarh \rightarrow 1 N (*) (*) N - dep. on CT-ratio and	
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service prismant and the service prisma and t	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Pulse ON maximum current Pulse ON maximum current	adjustable adjustable	ms	kWh (T2) →, kWh ←, kvarth → 1 N (+) (+) N - dep. on CT-ratio and Pulse on Time) 30 100 3 28 VAC (5 39 VDC) 90 1	
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service price price of charge to Gossen Metrawatt GmbH or the service price of charge to Gossen Metrawatt GmbH or the service price price of charge to Gossen Metrawatt GmbH or the service price of charge to Gossen Metrawatt GmbH or the service price price of charge to Gossen Metrawatt GmbH or the service price price of charge to Gossen Metrawatt GmbH or the service price price price of charge to Gossen Metrawatt GmbH or the service price price	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Pulse ON maximum current Pulse OFF leakage current Solation class	adjustable adjustable	ms VAC (VDC) mA	kWh (T2) →, kWh ←, kvarh → 1N (*) (*) N - dep. on CT-ratio and Pulse on Time) 30100	
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service prismant and the service prisma and t	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Pulse ON maximum current Pulse ON maximum current Isolation class Embedded communication Modbus Physical interface	adjustable adjustable	ms VAC (VDC) mA μA -	kWh (T2) →, kWh ←, kvarth → 1 N (+) (+) N - dep. on CT-ratio and Pulse on Time) 30 100 3 28 VAC (5 39 VDC) 90 1	kWh (T2) →, kWh ← , kvarh → D1, D0, Common (GND)
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service prismant and the service prisma and t	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Voltage Voltage ON maximum current Pulse ON Flexkage current Isolation class Embedded communication Modbus	adjustable adjustable Min - Max	- ms VAC (VDC) mA μA - - - - -	kWh (T2) →, kWh ←, kvarth → 1 N (+) (+) N - dep. on CT-ratio and Pulse on Time) 30 100 3 28 VAC (5 39 VDC) 90 1	kWh (T2) →, kWh ← , kvarh → - - - - - - -
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pi 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Pulse ON maximum current Pulse OFF leakage current solation class Embedded communication Modbus Physical interface Internal termination resistor Baud rate	adjustable <u>adjustable</u> Min - Max <u>RS485 - 3 Wire</u> adjustable	ms VAC (VDC) mA μA - - - 19200-38400	kWh (T2) →, kWh ←, kvarh → 1 N (+) 30 100 30 100 30 20 VAC (5 39 VDC) 90 1 SELV circuit - -	kWh (T2) →, kWh ← , kvarh → - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service prismant and the service prisma and t	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Pulse ON maximum current Pulse ON maximum current Isolation class Embedded communication Modbus Physical interface Internal termination resistor Baud rate Parity Stop Bit	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable	ms VAC (VDC) mA - - - 19200-38400 -	kWh (T2) →, kWh ←, kvarth → 1 N (+) (+) N - dep. on CT-ratio and Pulse on Time) 30 100 3 28 VAC (5 39 VDC) 90 1	kWh (T2) →, kWh ← , kvarh → - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None 1. 2
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service prismer and the service prismer	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Operating Voltage Pulse ON maximum current Isolation class Embedded communication Modbus Physical interface Internal termination resistor Saud rate Parity Stop Bit Address	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable	ms VAC (VDC) mA μA - - - - 19200-38400 -	kWh (T2) →, kWh ←, kvarh → 1 N (+) 30 100 30 100 30 20 VAC (5 39 VDC) 90 1 SELV circuit - -	kWh (T2) →, kWh ← , kvarh → - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pi 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Operating Voltage Vise ON maximum current Pulse ON Rekage current Isolation class Embedded communication Mobus Internal remination resistor Baud rate Parity Stop Bit Address Isolation class Embedded communication M-Bus	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable	ms VAC (VDC) mA - - - 19200-38400 -	kWh (T2) →, kWh ←, kvarh → 1 N (+) 30 100 30 100 30 20 VAC (5 39 VDC) 90 1 SELV circuit - -	kWh (T2) →, kWh ← , kvarh → - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None 1, 2 1-247 SELV circuit
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service prismant to the service prismant	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Voltag	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable	ms VAC (VDC) mA - - - 19200-38400 -	kWh (T2) →, kWh ←, kvarh → 1 N (+) 3 100 3 28 VAC (5 39 VDC) 90 1 SELV circuit - -	kWh (T2) →, kWh ← , kvarh → - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None 1. 2 1-247
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pi 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Pulse ON Teakage current Isolation class Embedded communication Modbus Physical interface Internal termination resistor Baud rate Parity Stop Bit S	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable	ms VAC (VDC) mA μA - - - - 19200-38400 - - - - - - - - - - - - - - - - - -	kWh (T2) →, kWh ←, kvarh → 1 N (+) 3 100 3 28 VAC (5 39 VDC) 90 1 SELV circuit - -	kWh (T2) →, kWh ← , kvarh → - - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None 1. 2 1-247 SELV circuit 300-600-1200-2400 1
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service prismant and the service prisma and t	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Operating Voltage Pulse ON maximum current Solution class Embedded communication Mobus Physical interface Internal termination resistor Solution class Parity Stop Bit Address Isolation class Embedded communication M-Bus Baud rate Unit load Index Section Sect	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable adjustable	ms VAC (VDC) mA μA - - - - 19200-38400 - - - - - - - - - - - - - - - - - -	kWh (T2) →, kWh ←, kvarh → 1 N (+) (+) N - dep. on CT-ratio and Pulse on Time) 30 100 30 100 30 28 VAC (5 39 VDC) 90 1 SELU circuit -	kWh (T2) →, kWh ← , kvarh → - - - - - D1, D0, Common (GND) 120 Ω 1200 Ω 1200-2400-4800-9600 Odd, Even, None 1. 2 1-247 SELV circuit 300-600-1200-2400 1 SELV circuit
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pr website. 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned	Pulse Rate Pulse ON-time Operating Voltage Pulse ON maximum current Pulse OF leakage current Iodation class Embedded communication Mobus Physical interface Internal termination resistor Baud rate Parity Stop Bit Address Isolation class Embedded communication M-Bus Isolation class Embedded communication M-Bus Isolation class Thi claad Isolation class Optical metrological LED Front mount or del LE (meter constant)	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable	ms VAC (VDC) mA μA - - - - 19200-38400 - - - - - - - - - - - - - - - - - -	kWh (T2) →, kWh ←, kvarh → 1N (+) 1N (+) 1N (+) 1N (+) 1N (+) 1N (+) 30100 3320 VAC (539 VDC) 90 1 1N (+) 1N (+) <t< td=""><td>kWh (T2) →, kWh ← , kvarh → - - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None 1. 2 1-247 SELV circuit 300-600-1200-2400 1</td></t<>	kWh (T2) →, kWh ← , kvarh → - - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None 1. 2 1-247 SELV circuit 300-600-1200-2400 1
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pr website. 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned rovider responsible for their disposal. Further information can be found on our	Pulse Rate Pulse ON-time Operating Voltage Operating Voltage Pulse ON maximum current Solution class Embedded communication Modbus Physical interface Internal termination resistor Baud rate Parity Stop Bit Address Embedded communication M-Bus Embedded communication M-Bus Isolation class Embedded communication M-Bus Isolation class Embedded communication M-Bus Solution class Embedded communication M-Bus Solution class Embedded communication M-Bus Fort mounted red LED Fort mounted red LED (meter constant) IR Connectable Communication Modbus	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable adjustable	ms VAC (VDC) mA μA - - - - 19200-38400 - - - - - - - - - - - - - - - - - -	kWh (T2) →, kWh ←, kvarh → 1 N (+) (+) N - dep. on CT-ratio and Pulse on Time) 30 100 30 100 30 28 VAC (5 39 VDC) 90 1 SELU circuit -	kWh (T2) →, kWh ←, kvarh → - - - - - D1, D0, Common (GND) 120 Ω 1200-2400-4800-9600 Odd, Even, None 1.2 1-247 SELV circuit 300-600-1200-2400 1 SELV circuit
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pr website. 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned rovider responsible for their disposal. Further information can be found on our	Pulse Rate Pulse ON-time Operating Voltage Operating Voltage Pulse ON maximum current Instruction Modus Pulse OF leakage current Isolation class Embedded communication Modus Operating Voltage Pravity Stop Bit Operating Voltage Unit load Instruction Modus Instruction Modus Operating Voltage Instruction Instruction Modus Instruction Instruction	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable adjustable proportional to active imp/exp Energy head with Z +/-	ms VAC (VDC) mA μA - - - - 19200-38400 - - - - - - - - - - - - - - - - - -	kWh (T2) →, kWh ←, kvarh → 1 N (•) 1 N (•) (•) N - dep, on C1-ratio and Pulse on Time) 30 100 30 20 VAC (5 39 VDC) 90 1 SELV circuit - - - - - - - - 1 -	kWh (T2) →, kWh ←, kvarh → -
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pr website. 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned rovider responsible for their disposal. Further information can be found on our GOSSEN METRAWATT Gossen Metrawatt GmbH	Pulse Rate Pulse ON-time Operating Voltage Operating Voltage Operating Voltage Pulse ON maximum current Vulse ON teakage current Solution class Embedded communication Mobus Physical interface Parity Stop Dit Address Solution class Embedded communication M-Bus Solution class Dylical metrological LED optical metrological LED optical metrological LED Front mounted red LED (meter constant) If Connectible Communication Modules Optical metrological LED Fort mounted red LED Solution Class Sorewidrever for mains terminals Screwidrever for tariff and communication terminals	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable adjustable adjustable proportional to active imp/exp Energy head with Z +/- slotted head	тя VAC (VDC) mA µA - - - - - - - - - - - - -	kWh (T2) →, kWh ←, kvarh → 1N (+) 1N (+) 30100 30100 30100 30100 30100 30100 30100 30100 30100 30100 30100 30100 90 1 SELV circuit - <t< td=""><td>kWh (T2) →, kWh ←, kvarh → - 1200-2400-4800-9600 0dd, Even, None 1.2 1-247 SELV circuit 300-600-1200-2400 1 SELV circuit 10.000 yes PZ1 0.8 x 3.5</td></t<>	kWh (T2) →, kWh ←, kvarh → - 1200-2400-4800-9600 0dd, Even, None 1.2 1-247 SELV circuit 300-600-1200-2400 1 SELV circuit 10.000 yes PZ1 0.8 x 3.5
 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pr website. 	attery act BattG) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned rovider responsible for their disposal. Further information can be found on our	Pulse Rate Pulse ON-time Operating Voltage Operating Voltage Vise ON maximum current Pulse ON Reakape current Isolation class Embedded communication Mobus Physical interface Internal termination resistor Baud rate Parity Stop Bit Stop Bit Stop Bit Stop Bit Station class Embedded communication M-Bus Station class Optical metrological LED Forn consult red LED (meter constant) If Connecttable Communication Modules - Fore recommunication modules connection (LAN-TCP/IP / M-Bus / Modbus RTU / KNX) Connection terminals - Screwdriver for trainf and communication terminals - Screwdriver for trainf and communication terminals - Terminal capacity main current paths_	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustable adjustable adjustable adjustable adjustable proportional to active imp/exp Energy head with Z +/- slotted head solid wire min. (max) stranded wire min. (max)	ms WAC (VDC) mA μA - POZIDRIV mm*2	kWh (T2) →, kWh ←, kvarh → 1 N (+) 1 N (+) (+) N - dep. on CT-ratio and Pulse on Time) 30 100 30 100 3 28 VAC (5 39 VDC) 90 1 SELV circuit - <t< td=""><td>kWh (T2) →, kWh ←, kvarh → -</td></t<>	kWh (T2) →, kWh ←, kvarh → -
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 trical and electronic equipment act ElektroG and German ba unsorted municipal waste ("household trash"). Old devices, electrical or electronic accessories and waste free of charge to Gossen Metrawatt GmbH or the service pr website. pport and Contact Isse contact us at 1911 8022-0 uday – Thursday: 08:00 Uhr – 16:00 Uhr ay: 08:00 Uhr – 14:00 Uhr port.Industrie@gossenmetrawatt.com see contact GMC-1 Service GmbH for repairs, replacement parts and calibration: 1911 817718-0	attery act Batt6) not to dispose of used electrical equipment and batteries with batteries (including rechargeable batteries) used in Germany can be returned rovider responsible for their disposal. Further information can be found on our GOSSEN METRAWATT Gossen Metrawatt GmbH Südwestpark 15 • 90449 Nürnberg • Germany Telefon +49 911 8602-0 • Telefax +49 911 8602-669 E-Mail info@gossenmetrawatt.com • www.gossenmetrawatt.com © Gossen Metrawatt GmbH	Pulse Rate Pulse ON-time Operating Voltage Voltage ON maximum current Operating Voltage Pulse ON maximum current Solution class Embedded communication Mobus Physical interface Parity Stop Bit Address Solution class Buddrate Solution class Solution clas	adjustable adjustable Min - Max RS485 - 3 Wire adjustable adjustab	тя VAC (VDC) mA µA - - - - - - - - - - - - -	kWh (T2) →, kWh ←, kvarh → 1N (+) 1N (+) 4) N - dep. on CT-ratio and Pulse on Time) 30100 30100 328 VAC (539 VDC) 90 1 SELV circuit -	kWh (T2) →, kWh ←, kvarh → -
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