

Wa BASIC

Serie 2

Scheda di controllo universale
Tarjeta universal



Intuitivo riconoscimento stato del cb
Detección fácil del estado



Monofase 230Vac \pm 5% - Trifase 400Vac \pm 5% / 50Hz / grado protezione IP20
Curva di carica Wa (9-12h, DIN 41774) per batterie PzS/Pb-acido libero.
Carica finale: Temporale.
Visualizzazione base tramite 4 leds / settaggio fase di equalizzazione.
Optionals: tensioni speciali Vac, modelli 60Hz / sorreggicavo.

Monofásico 230Vac \pm 5% - Trifásico 400Vac \pm 5% / 50Hz / Protección IP20
Wa curva de carga (9-12h, DIN 41774) adecuada para baterías PzS
Carga final: Temporal
4 Leds de visualización básica / Activación de la fase de ecualización
Opcionales: tensiones especiales Vac, modelos 60Hz / soporte para los cables

Wa ADVANCED

Serie 3



Monofase 230Vac \pm 5% - Trifase selezionabile 400-230Vac \pm 5% / 50Hz / grado protezione IP20
Curva di carica Wa (9-12h, DIN 41774) per batterie PzS/Pb-acido libero.
Carica finale: Temporale, Capacitiva, Derivativa dV/dt
Visualizzazione avanzata tramite 5 leds / settaggio fase di equalizzazione / memoria salvataggio dati.
Optionals: tastierino esterno per identificazione anomalie, lettura dati e programmazione / protezione IP55 / tensioni speciali Vac, modelli 60Hz / ruote e sorreggicavo.

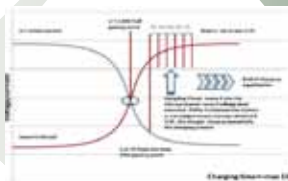
Monofásico 230Vac \pm 5% - Trifásico 400-230Vac \pm 5% / 50Hz / Protección IP20
Wa curva de carga (9-12h, DIN 41774) adecuada para baterías PzS
Carga final: Temporal, Capacitive, Derivative dV/dt
5 Leds de visualización avanzada / Activación de la fase de ecualización / Almacenamiento de los datos a través de la memoria
Opcionales: Teclado externo para la diagnóstica, visualización y calibración de los datos/
Protección IP55 / tensiones especiales Vac, modelos 60Hz / soporte para los cables y las ruedas.

Programmazione/diagnostica
tramite tastierino esterno.

Programación/diagnóstica a
través del teclado numérico
externo



Fine carica con controllo
dV/dt disponibile.
Carga final dV/dt



Mobile IP55 disponibile
Disponibilidad mueble IP55



Wa TOP

Serie 5



Monofase 230Vac \pm 5% - Trifase selezionabile 400-230Vac \pm 5% / 50Hz / grado protezione IP20

Tipo di carica finale (9-12h, DIN 41774) per batterie PzS/Pb-acido libero.

Carica finale: Temporale, Capacitiva, Derivativa dV/dt

Visualizzazione top tramite 5 leds + Display integrato/
settaggio fase di equalizzazione / memoria salvataggio dati / timer.

Optionals: protezione IP55/ tensioni speciali Vac,
modelli 60Hz / ruote e sorreggicavo.

Monofásico 230Vac \pm 5% - Trifásico 400-230Vac \pm 5% / 50Hz / Protección IP20

Wa curva de carga (9-12h, DIN 41774) adecuada para baterías PzS

Carga final: Temporal, Capacitive, Derivative dV/dt

5 Leds de visualización top + Display integrado / Activación de la fase de ecualización / Almacenamiento de los datos a través de la memoria / Temporizador

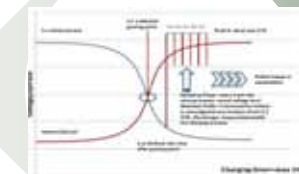
Opcionales: Protección IP55 / tensiones especiales Vac, modelos 60Hz / soporte para los cables y las ruedas

Display:
per diagnostica e programmazione.

Display:
Para diagnóstica y programación



Fine carica con controllo
dV/dt disponibile.
Carga final dV/dt



Timer digitale: conto alla rovescia
Temporizador digital: cuenta atrás



Mobile IP55 disponibile
Disponibilidad mueble IP55



V	A	Vac Input	Code			Ah (C5)			Cabinet Code
			BASIC	ADVANCED	TOP	Wa -- Lead Acid PzS			
						9h	12h	13h	
12	10	1 x 230	2SPM 12/ 10	3STM 12/ 10	5STM 12/ 10	50	67	72	P5
	15	1 x 230	2SPM 12/ 15	3STM 12/ 15	5STM 12/ 15	74	100	107	P5
	20	1 x 230	2SPM 12/ 20	3STM 12/ 20	5STM 12/ 20	99	133	143	P5
	25	1 x 230	2SPM 12/ 25	3STM 12/ 25	5STM 12/ 25	124	167	179	P5
	30	1 x 230	2SPM 12/ 30	3STM 12/ 30	5STM 12/ 30	149	200	215	P5
	40	1 x 230	2SPM 12/ 40	3STM 12/ 40	5STM 12/ 40	198	267	286	P5
	50	1 x 230	2SPM 12/ 50	3STM 12/ 50	5STM 12/ 50	248	333	358	P6
	60	1 x 230	2SPM 12/ 60	3STM 12/ 60	5STM 12/ 60	297	400	430	P6
	80	1 x 230	2SPM 12/ 80	3STM 12/ 80	5STM 12/ 80	396	533	573	P6
	100	1 x 230	2SPM 12/ 100	3STM 12/ 100	5STM 12/ 100	495	667	716	P6
	120	1 x 230	2SPM 12/ 120	3STM 12/ 120	5STM 12/ 120	594	800	859	I2B
24	10	1 x 230	2SPM 24/ 10	3STM 24/ 10	5STM 24/ 10	50	67	72	P5
	15	1 x 230	2SPM 24/ 15	3STM 24/ 15	5STM 24/ 15	74	100	107	P5
	20	1 x 230	2SPM 24/ 20	3STM 24/ 20	5STM 24/ 20	99	133	143	P5
	25	1 x 230	2SPM 24/ 25	3STM 24/ 25	5STM 24/ 25	124	167	179	P5
	30	1 x 230	2SPM 24/ 30	3STM 24/ 30	5STM 24/ 30	149	200	215	P5
	40	1 x 230	2SPM 24/ 40	3STM 24/ 40	5STM 24/ 40	198	267	286	P5
	50	1 x 230	2SPM 24/ 50	3STM 24/ 50	5STM 24/ 50	248	333	358	P6
	60	1 x 230	2SPM 24/ 60	3STM 24/ 60	5STM 24/ 60	597	400	430	P6
		3 x 400	2SPT 24/ 60	3STT 24/ 60	5STT 24/ 60				I1 / I2B
	80	1 x 230	2SPM 24/ 80	3STM 24/ 80	5STM 24/ 80	396	533	573	P6
		3 x 400	2SPT 24/ 80	3STT 24/ 80	5STT 24/ 80				I1 / I2B
	100	1 x 230	2SPM 24/ 100	3STM 24/ 100	5STM 24/ 100	495	667	716	I2B
		3 x 400	2SPT 24/ 100	3STT 24/ 100	5STT 24/ 100				I1 / I2B
	120	1 x 230	2SPM 24/ 120	3STM 24/ 120	5STM 24/ 120	594	800	859	I2B
		3 x 400	2SPT 24/ 120	3STT 24/ 120	5STT 24/ 120				I1 / I2B
	140	1 x 230	*	*	*	693	933	1.003	I1 / I2B
		3 x 400	2SPT 24/ 140	3STT 24/ 140	5STT 24/ 140				
	160	1 x 230	*	*	*	792	1.067	1.146	I1 / I2B
3 x 400		2SPT 24/ 160	3STT 24/ 160	5STT 24/ 160					
180	1 x 230	*	*	*	891	1.200	1.289	I2B	
	3 x 400	2SPT 24/ 180	3STT 24/ 180	5STT 24/ 180					
36	20	1 x 230	2SPM 36/ 20	3STM 36/ 20	5STM 36/ 20	99	133	143	P5
	25	1 x 230	2SPM 36/ 25	3STM 36/ 25	5STM 36/ 25	124	167	179	P5
	30	1 x 230	2SPM 36/ 30	3STM 36/ 30	5STM 36/ 30	149	200	215	P6
	40	1 x 230	2SPM 36/ 40	3STM 36/ 40	5STM 36/ 40	198	267	286	P6
	50	1 x 230	2SPM 36/ 50	3STM 36/ 50	5STM 36/ 50	248	333	358	P6
	60	1 x 230	2SPM 36/ 60	3STM 36/ 60	5STM 36/ 60	597	400	430	P6
		3 x 400	2SPT 36/ 60	3STT 36/ 60	5STT 36/ 60				I1 / I2B
	80	1 x 230	2SPM 36/ 80	3STM 36/ 80	5STM 36/ 80	396	533	573	P6
		3 x 400	2SPT 36/ 80	3STT 36/ 80	5STT 36/ 80				I1 / I2B
	100	1 x 230	2SPM 36/ 100	3STM 36/ 100	5STM 36/ 100	495	667	716	I2B
		3 x 400	2SPT 36/ 100	3STT 36/ 100	5STT 36/ 100				I1 / I2B
	120	1 x 230	2SPM 36/ 120	3STM 36/ 120	5STM 36/ 120	594	800	859	I2B
		3 x 400	2SPT 36/ 120	3STT 36/ 120	5STT 36/ 120				I1 / I2B
	140	1 x 230	*	*	*	693	933	1.003	I2B
		3 x 400	2SPT 36/ 140	3STT 36/ 140	5STT 36/ 140				
	160	1 x 230	*	*	*	792	1.067	1.146	I2B
		3 x 400	2SPT 36/ 160	3STT 36/ 160	5STT 36/ 160				
	180	1 x 230	*	*	*	891	1.200	1.289	I2B
3 x 400		2SPT 36/ 180	3STT 36/ 180	5STT 36/ 180					

* on demand

V	A	Vac Input	Code			Ah (C5)			Cabinet Code	
						Wa -- Lead Acid PzS				
			BASIC	ADVANCED	TOP	9h	12h	13h		
48	30	1 x 230	2SPM 48/ 30	3STM 48/ 30	5STM 48/ 30	149	200	215	P6	
	40	1 x 230	2SPM 48/ 40	3STM 48/ 40	5STM 48/ 40	198	267	286	P6	
	50	1 x 230	2SPM 48/ 50	3STM 48/ 50	5STM 48/ 50	248	333	358	P6	
	60	1 x 230	2SPM 48/ 60	3STM 48/ 60	5STM 48/ 60	597	400	430	P6	
		3 x 400	2SPT 48/ 60	3STT 48/ 60	5STT 48/ 60				I1 / I2B	
	80	1 x 230	2SPM 48/ 80	3STM 48/ 80	5STM 48/ 80	396	533	573	I1 / I2B	
		3 x 400	2SPT 48/ 80	3STT 48/ 80	5STT 48/ 80				I1 / I2B	
	100	1 x 230	2SPM 48/ 100	3STM 48/ 100	5STM 48/ 100	495	667	716	I2B	
		3 x 400	2SPT 48/ 100	3STT 48/ 100	5STT 48/ 100				I1 / I2B	
	120	1 x 230	2SPM 48/ 120	3STM 48/ 120	5STM 48/ 120	594	800	859	I2B	
		3 x 400	2SPT 48/ 120	3STT 48/ 120	5STT 48/ 120				I1 / I2B	
	140	1 x 230	*	*	*	693	933	1.003	I2B	
		3 x 400	2SPT 48/ 140	3STT 48/ 140	5STT 48/ 140					
	160	1 x 230	*	*	*	792	1.067	1.146	I2B	
		3 x 400	2SPT 48/ 160	3STT 48/ 160	5STT 48/ 160					
	180	1 x 230	*	*	*	891	1.200	1.289	I2B	
		3 x 400	2SPT 48/ 180	3STT 48/ 180	5STT 48/ 180					
	72	60	1 x 230	2SPM 72/ 60	3STM 72/ 60	5STM 72/ 60	597	400	430	I2B
3 x 400			2SPT 72/ 60	3STT 72/ 60	5STT 72/ 60	I1 / I2B				
80		1 x 230	2SPM 72/ 80	3STM 72/ 80	5STM 72/ 80	396	533	573	I2B	
		3 x 400	2SPT 72/ 80	3STT 72/ 80	5STT 72/ 80				I1 / I2B	
100		1 x 230	2SPM 72/ 100	3STM 72/ 100	5STM 72/ 100	495	667	716	I2B	
		3 x 400	2SPT 72/ 100	3STT 72/ 100	5STT 72/ 100				I1 / I2B	
120		1 x 230	2SPM 72/ 120	3STM 72/ 120	5STM 72/ 120	594	800	859	I2B	
		3 x 400	2SPT 72/ 120	3STT 72/ 120	5STT 72/ 120					
140		1 x 230	*	*	*	693	933	1.003	I2B	
		3 x 400	2SPT 72/ 140	3STT 72/ 140	5STT 72/ 140					
160		1 x 230	*	*	*	792	1.067	1.146	I2B	
		3 x 400	2SPT 72/ 160	3STT 72/ 160	5STT 72/ 160					
180		1 x 230	*	*	*	891	1.200	1.289	I3	
		3 x 400	2SPT 72/ 180	3STT 72/ 180	5STT 72/ 180					
80		60	1 x 230	2SPM 80/ 60	3STM 80/ 60	5STM 80/ 60	597	400	430	I2B
			3 x 400	2SPT 80/ 60	3STT 80/ 60	5STT 80/ 60				I1 / I2B
		80	1 x 230	2SPM 80/ 80	3STM 80/ 80	5STM 80/ 80	396	533	573	I2B
			3 x 400	2SPT 80/ 80	3STT 80/ 80	5STT 80/ 80				I1 / I2B
	100	1 x 230	2SPM 80/ 100	3STM 80/ 100	5STM 80/ 100	495	667	716	I2B	
		3 x 400	2SPT 80/ 100	3STT 80/ 100	5STT 80/ 100				I1 / I2B	
	120	1 x 230	2SPM 80/ 120	3STM 80/ 120	5STM 80/ 120	594	800	859	I2B	
		3 x 400	2SPT 80/ 120	3STT 80/ 120	5STT 80/ 120					
	140	1 x 230	*	*	*	693	933	1.003	I3	
		3 x 400	2SPT 80/ 140	3STT 80/ 140	5STT 80/ 140					
	160	1 x 230	*	*	*	792	1.067	1.146	I3	
		3 x 400	2SPT 80/ 160	3STT 80/ 160	5STT 80/ 160					
	180	1 x 230	*	*	*	891	1.200	1.289	I3	
		3 x 400	2SPT 80/ 180	3STT 80/ 180	5STT 80/ 180					
	96	60	1 x 230	*	*	*	597	400	430	I1 / I2B
			3 x 400	2SPT 96/ 60	3STT 96/ 60	5STT 96/ 60				
		80	1 x 230	*	*	*	396	533	573	I1 / I2B
			3 x 400	2SPT 96/ 80	3STT 96/ 80	5STT 96/ 80				
100		1 x 230	*	*	*	495	667	716	I1 / I2B	
		3 x 400	2SPT 96/ 100	3STT 96/ 100	5STT 96/ 100					
120		1 x 230	*	*	*	594	800	859	I2B	
		3 x 400	2SPT 96/ 120	3STT 96/ 120	5STT 96/ 120					
140		1 x 230	*	*	*	693	933	1.003	I3	
		3 x 400	2SPT 96/ 140	3STT 96/ 140	5STT 96/ 140					
160		1 x 230	*	*	*	792	1.067	1.146	I3	
		3 x 400	2SPT 96/ 160	3STT 96/ 160	5STT 96/ 160					

Cabinet Type & Dimensions in mm

P5	L350 X D220 X H270
P6	L480 X D280 X H310
I1	L550 X D390 X H660
I2B	L550 X D450 X H900
I3	L700 X D550 X H1150

* on demand

single-phase 220(230)240 Vac
 Three-phase 380(400)420 Vac (three-phase 220(230)240 Fino a / Up to 48/160, 72/100, 80/100, 96/80)