6AG1215-1BG40-5XB0

Data sheet





SIPLUS S7-1200 CPU 1215C AC/DC/relay based on 6ES7215-1BG40-0XB0 with conformal coating, -40...+60 °C, start up -25 °C, compact CPU, AC/DC/relay, 2 PROFINET ports onboard I/O: 14 DI 24 V DC; 10 DQ relay 2 A; 2 AI 0-10 V DC, 2 AQ 0-20 mA DC power supply: AC 85-264 V AC @ 47-63 Hz, program/data memory 125 KB



Figure similar

Product type designation	St. I	
Firmware version V4.1 based on 6ES7215-1BG40-0XB0 Engineering with ● STEP 7 TIA Portal configurable/integrated from version see entry ID: 109746275 Supply voltage Rated value (AC) ● 120 V AC ● 230 V AC Permissible range, lower limit (AC) Permissible range, upper limit (AC) Permissible range, upper limit (AC) ● permissible range, upper limit (AC) Purent consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Urrent consumption, max. (AC) 20 A; at 264 V AC Prover loss upply Power loss, typ. (AC) Power loss, typ.	General information	
Engineering with	Product type designation	CPU 1215C AC/DC/relay
Engineering with STEP 7 TIA Portal configurable/integrated from version Supply voltage Rated value (AC) 120 V AC 230 V AC Permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, lower limit (AC) permissible range, lower limit (AC) permissible range, lower limit (AC) permissible range, upper limit	Firmware version	V4.1
• STEP 7 TIA Portal configurable/integrated from version Supply voltage Rated value (AC) • 120 V AC • 230 V AC permissible range, lower limit (AC) • permissible range, lower limit (AC) • permissible range, upper limit (AC) • permissible range, lower limit 47 Hz • permissible range, upper limit 83 Hz Input current Current consumption (rated value) Current consumption (rated value) Current consumption, max. 300 mA at 120 V AC; 50 mA at 240 V AC Inush current, max. 20 A; at 264 V Encoder supply • 24 V 24 V encoder supply • 24 V 20.4 to 28.8V Power loss. Power loss. Power loss. Power loss. Power loss. Power loss. Power loss (typ. 100 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • yes; maintenance-free • without battery CPU processing times for bit operations, typ. 0.085 µs; / instruction	based on	6ES7215-1BG40-0XB0
Rated value (AC) • 120 V AC • 230 V AC • 230 V AC permissible range, lower limit (AC) permissible range, lower limit (AC) permissible range, lower limit (AC) • 265 V Line frequency • permissible range, lower limit • at 120 V AC; 50 mA at 240 V AC Current consumption (rated value) • 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 20 A; at 264 V Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated 100 kbyte Load memory • integrated • Plug-in (SIMATIC Memory Card), max. Backup • present • present • present • without battery CPU processing times for bit operations, typ. 0.085 µs; / instruction	Engineering with	
Rated value (AC) • 120 V AC • 120 V AC • 230 V AC permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, upper limit (AC) • 265 V Line frequency • permissible range, lower limit • permissible range, upper limit • and the state of the	 STEP 7 TIA Portal configurable/integrated from version 	see entry ID: 109746275
• 120 V AC • 230 V AC Permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, upper limit (AC) • permissible range, upper limit (AC) • permissible range, lower limit • permissible range, lower limit • permissible range, upper limit • permissible range, upper limit • 37 Hz • permissible range, upper limit • 63 Hz Input current Current consumption (rated value) Current consumption, max. 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 20 A; at 264 V Encoder supply • 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery Yes; maintenance-free • without battery CPU processing times for bit operations, typ. 0.085 μs; / instruction	Supply voltage	
e 230 V AC permissible range, lower limit (AC) permissible range, upper limit (AC) Line frequency e permissible range, lower limit 47 Hz e permissible range, upper limit 63 Hz Input current Current consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory • integrated Load memory • integrated • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery Ves; maintenance-free • without battery CPU processing times for bit operations, typ. 0.085 μs; / instruction	Rated value (AC)	
permissible range, lower limit (AC) permissible range, upper limit (AC) Line frequency • permissible range, lower limit • permissible range, upper limit • and the permissible range, upper limit • an	• 120 V AC	Yes
permissible range, upper limit (AC) Line frequency • permissible range, lower limit • permissible range, upper limit 147 Hz • permissible range, upper limit 63 Hz Input current Current consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated 100 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery Yes; maintenance-free • without battery CPU processing times for bit operations, typ. 0.085 µs; / instruction	• 230 V AC	Yes
Line frequency • permissible range, lower limit • permissible range, upper limit 63 Hz Input current Current consumption (rated value) Current consumption, max. 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 20 A; at 264 V Inrush current, max. 20 A; at 264 V Encoder supply 24 V encoder supply • 24 V 20 4 to 28.8V Power loss Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery Yes; maintenance-free • without battery For bit operations, typ. 0.085 µs; / instruction	permissible range, lower limit (AC)	85 V
• permissible range, lower limit • permissible range, upper limit • permissible range, upper limit 63 Hz Input current Current consumption (rated value) 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Encoder supply 24 V encoder supply 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery Yes CPU processing times for bit operations, typ. 0.085 µs; / instruction	permissible range, upper limit (AC)	265 V
	Line frequency	
Input current Current consumption (rated value) Current consumption, max. 100 mA at 120 V AC; 50 mA at 240 V AC Current consumption, max. 300 mA at 120 V AC; 150 mA at 240 V AC Inrush current, max. 20 A; at 264 V Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery Yes CPU processing times for bit operations, typ. 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA at 120 V AC; 50 mA at 240 V AC 100 mA to 150 mA to 240 V AC; 150 mA at 240 V AC 100 mA to 150 mA to 240 V AC; 150 mA at 240 V AC 100 mA to 150 mA to 240 V AC; 150 mA at 240 V AC 100 mA to 150 mA to 240 V AC; 150 mA at 240 V AC 100 mA to 240 V AC; 150 mA to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 mA to 240 V AC 100 max to 240 V AC; 150 max to 240 V AC 100 max to 240 V AC; 150 max to 240 V AC 100 max to	 permissible range, lower limit 	47 Hz
Current consumption (rated value) Current consumption, max. 300 mA at 120 V AC; 50 mA at 240 V AC Inrush current, max. 20 A; at 264 V Encoder supply 24 V encoder supply 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory integrated integrated Plug-in (SIMATIC Memory Card), max. Backup present present present without battery for bit operations, typ. 100 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 240 V AC 300 mA at 120 V AC; 150 mA at 240 V AC 300 mA at 120 V AC; 150 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 50 mA at 240 V AC 300 mA at 120 V AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA at 240 V AC 100 v AC; 150 mA	 permissible range, upper limit 	63 Hz
Current consumption, max. Inrush current, max. 20 A; at 264 V Encoder supply 24 V encoder supply • 24 V Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery For bit operations, typ. 300 mA at 120 V AC; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C; 150 mA at 240 V AC 100 kJ C C C C C C C C C C C C C C C C C C	Input current	
Inrush current, max. Encoder supply 24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory • integrated Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. Backup • present • without battery For bit operations, typ. 20.4 to 28.8V 20.4 to 28.8V A Wester Sea.	Current consumption (rated value)	100 mA at 120 V AC; 50 mA at 240 V AC
Encoder supply 24 V encoder supply 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory integrated 100 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. Backup present present with out battery Yes; maintenance-free without battery Yes CPU processing times for bit operations, typ. 20.4 to 28.8V Above 4 Wes. With 28.8V 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V 20.4 to 28.8V Above 20.4 to 28.8V 20.4 to 28.8V Above 20.4	Current consumption, max.	300 mA at 120 V AC; 150 mA at 240 V AC
24 V encoder supply • 24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory • integrated 100 kbyte Load memory • integrated 4 Mbyte • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present Yes; maintenance-free • without battery Yes CPU processing times for bit operations, typ. 0.085 µs; / instruction	Inrush current, max.	20 A; at 264 V
24 V 20.4 to 28.8V Power loss Power loss, typ. 12 W Memory Work memory integrated 100 kbyte Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. Backup present present with SIMATIC memory card Yes; maintenance-free without battery Yes CPU processing times for bit operations, typ. 0.085 µs; / instruction	Encoder supply	
Power loss Power loss, typ. Memory Work memory integrated Load memory integrated Plug-in (SIMATIC Memory Card), max. Backup present present with SIMATIC memory card Yes; maintenance-free without battery Yes CPU processing times for bit operations, typ. 12 W Memory 4 Mbyte Ves; maintenance-free Yes; maintenance-free Yes CPU processing times	24 V encoder supply	
Power loss, typ. Memory Work memory integrated Load memory integrated integrated Plug-in (SIMATIC Memory Card), max. Backup present present with Out battery Yes; maintenance-free without battery CPU processing times for bit operations, typ.	• 24 V	20.4 to 28.8V
Memory Work memory ● integrated 100 kbyte Load memory ● integrated 4 Mbyte ● Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup ● present Yes; maintenance-free ● without battery Yes CPU processing times for bit operations, typ. 0.085 µs; / instruction	Power loss	
Work memory	Power loss, typ.	12 W
 integrated Load memory integrated Plug-in (SIMATIC Memory Card), max. Backup present with SIMATIC memory card Yes; maintenance-free without battery CPU processing times for bit operations, typ. 100 kbyte 4 Mbyte with SIMATIC memory card Yes CPU processing times 0.085 µs; / instruction 	Memory	
Load memory • integrated • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup • present • without battery CPU processing times for bit operations, typ. 4 Mbyte 4 Mbyte 4 Mbyte 4 Mbyte 9 with SIMATIC memory card Yes; maintenance-free Yes CPU processing times 0.085 µs; / instruction	Work memory	
 integrated Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card Backup present without battery CPU processing times for bit operations, typ. 4 Mbyte with SIMATIC memory card Yes; maintenance-free Yes CPU processing times 0.085 µs; / instruction 	• integrated	100 kbyte
 Plug-in (SIMATIC Memory Card), max. Backup present with SIMATIC memory card Yes; maintenance-free without battery Yes CPU processing times for bit operations, typ. 0.085 µs; / instruction 	Load memory	
Backup	• integrated	4 Mbyte
Present Yes; maintenance-free without battery Yes CPU processing times for bit operations, typ. 0.085 μs; / instruction	 Plug-in (SIMATIC Memory Card), max. 	with SIMATIC memory card
without battery CPU processing times for bit operations, typ. O.085 µs; / instruction	Backup	
CPU processing times for bit operations, typ. 0.085 µs; / instruction	• present	Yes; maintenance-free
for bit operations, typ. 0.085 µs; / instruction	without battery	Yes
	CPU processing times	
for word operations, typ. 1.7 µs; / instruction	for bit operations, typ.	0.085 μs; / instruction
	for word operations, typ.	1.7 µs; / instruction

CRU-blocks CRU-blocks (total) DBs, FCs, FBs, counters and teners. The maximum number of addressable blocks ranges from 1 to 65555. There is no restriction, the entire working memory can be used	for floating point grithmetic to	2. F. un: / instruction
Number of blocks (total) OB. F.Cs. RBs, counters and timers. The maximum number of addressable blocks ranges from 1 to 65935. There is no restriction, the entire working emenary can be used. It is not a seas and their retentivity Retentive data area (incl. timers, counters, flags), max. Reg. Size, max. 8 kbyte; Size of bit memory address area Address area **Theory, adjustable 1 kbyte 1 kbyte	for floating point arithmetic, typ.	2.5 µs; / instruction
Number of digital inputs Succession of the pulse of simple for technological functions Succession of the pulse of t		blocks ranges from 1 to 65535. There is no restriction, the entire working
Data areas and their restantivity * Size of bit memory address area * Extensive data area (incl. timers, counters, flags), max. * Fling * Size max. * Robyte: Size of bit memory address area * Address area * Process image * Upputs, adjustable * Outputs, adjustable *	ОВ	·
Plag	Number, max.	Limited only by RAM for code
Size, max. Size, max. Addross area Input sajustable Outputs, adjustable Outputs, adjustable At ktyre Introd of tay Author of modules per system, max. Inno of tay Cock Alardware clock (real-time) Oexiation per day, max. Oexiation per day, max. Ves Addross of digital inputs Of which inputs usable for technological functions Author of digital inputs Of which inputs usable for technological functions Author of simultaneously controllable inputs If west are the simultaneously area are the simultaneous	Data areas and their retentivity	
Skbyte; Size of bit memory address area	Retentive data area (incl. timers, counters, flags), max.	10 kbyte
Address area Process image Inputs, adjustable Outputs, adjustable Outputs, adjustable I kbyle I kbyle Outputs, adjustable I kbyle I kbyle I kbyle I kbyle I kbyle Outputs, adjustable I kbyle I kardware clock (salina band, 8 signal modules I klandware clock I kardware clock I klandware c	Flag	
Process image Propts, adjustable 1 kbyte	• Size, max.	8 kbyte; Size of bit memory address area
I kbyte Outputs, adjustable Outputs, adjustable Hardware configuration Number of modules per system, max. I'me of days Outputs adjustable Outputs Output delay with esistive load, max. Output delay with esistive load, outputs Output delay with esistive load, max. Output delay with e	Address area	
Section Sect	Process image	
Hardware configuration Number of modules per system, max. 3 comm. modules, 1 signal board, 8 signal modules Time of day	 Inputs, adjustable 	1 kbyte
Number of modules per system, max. Time of day Clock I Hardware clock (real-time) Backup time Bockup time Bocku	Outputs, adjustable	1 kbyte
Time of day	Hardware configuration	
Clock Hardware clock (real-time) Deviation per day, max. Deviation per day, max. Digital hipputs Number of digital inputs - of vinich inputs usable for technological functions Source/sink input Number of digital inputs - of vinich inputs usable for technological functions Source/sink input Number of simultaneously controllable inputs all mounting positions - up to 40°C, max. 14 Input voitage - Rated value (DC) - of or signal "0" - of or signal "0" - of or signal "1" - at "0" to "1", min at "0" to "1", min at "0" to "1", mix at "0" to "1", max parameterizable Parameterizable For international inputs - parameterizable - shielded, max on inshielded, max on on lamp load, max on lamp	Number of modules per system, max.	3 comm. modules, 1 signal board, 8 signal modules
Hardware clock (real-lime)	Time of day	
Backup time Deviation per day, max. Deviation per day, max. Deviation per day, max. Digital inputs Number of digital inputs of which inputs usable for technological functions of which inputs usable for technological functions Source/sink input Number of simultaneously controllable inputs all mounting positions — up to 40 °C, max. 14 Input voltage Rated value (DC) of or signal "0" of or signal "1" 15 V DC at 2.5 mA Input delay (for rated value of input voltage) For standard inputs — parameterizable — parameterizable — at "0" to "1", min. — at "0" to "1", max. for interrupt inputs — parameterizable — parameterizable	Clock	
Deviation per day, max. Digital inputs * of which inputs usable for technological functions * of which inputs usable for technological functions Source/sink input * Number of digital inputs * of which inputs usable for technological functions * of which inputs usable for technological functions * or to 40°C max. 14 14 14 14 14 14 14 14 14 1	 Hardware clock (real-time) 	Yes
Digital Inputs	Backup time	480 h; Typical
Number of digital inputs of which inputs usable for technological functions of which inputs usable for technological functions Source/sink input Number of simultaneously controllable inputs all mounting positions — up to 40 °C, max. Input voltage Rated value (DC) of or signal "1" of or signa	Deviation per day, max.	±60 s/month at 25 °C
of which inputs usable for technological functions Source/sink input Number of simultaneously controllable inputs all mounting positions — up to 40 °C, max.	Digital inputs	
Source/sink input Number of simultaneously controllable inputs all mounturing positions — up to 40 °C, max. 14 Input voltage • Rated value (DC) • for signal "0" • for signal "1" • 15 V DC at 1 mA • for signal "1" • parameterizable — parameterizable — at "0" to "1", min. — at "0" to "1", max. • 12.8 ms for iterrupt inputs — parameterizable — yes for technological functions — parameterizable • Yes: Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz, differential: 3	Number of digital inputs	14; Integrated
Aumber of simultaneously controllable inputs all mounting positions — up to 40 °C, max. Input voltage Rated value (DC) • for signal "0" • for signal "1" Input delay (for rated value of input voltage) for standard inputs — parameterizable — parameterizable — at "0" to "1", min. — at "0" to "1", max. Input veltod, max. • shielded, max. • shielded, max. • unshielded, max. • unshielded, max. • on lamp load, max. • on lamp load, max. • on lamp load, max. • "1" to "0", max. Switching requency • of the pulse outputs, with resistive load, max. Switching requency • of the pulse outputs, with resistive load, max. Plant of the since of the since of the pulse outputs Number of lepts outputs, with resistive load, max. Plant of the since of the since of the pulse outputs Number of relay outputs 10 ms; max. 11 Hz Relay outputs 10 ms; max. 10 ms; max. Pumber of relay outputs Number of relay outputs Number of relay outputs Number of relay outputs Number of operating cycles, max. 10 ms; max. Pumber of operating cycles, max. Mumber of operating cycles, max. May be a V a V a V a V a V a V a V a V a V a	of which inputs usable for technological functions	6; HSC (High Speed Counting)
all mounting positions up to 40 °C, max. 14 Input voltage • Rated value (DC) • for signal "0" • for signal "1" • for s	Source/sink input	Yes
Input voltage	Number of simultaneously controllable inputs	
Rated value (DC)	all mounting positions	
Rated value (DC) • for signal "0" • for signal "1" Input delay (for rated value of input voltage) for standard inputs — parameterizable — at "0" to "1", min. — at "0" to "1", max. — at "0" to "1", max. for interrupt inputs — parameterizable — parameterizable — parameterizable — parameterizable — at "0" to "1", max. for interrupt inputs — parameterizable — shielded, max. • shielded, max. • unshielded, max. • unshielded, max. • unshielded, max. • with resistive load, max. • with resistive load, max. • on lamp load, max. • unimp load, max. • unimp load, max. • unimp load, max. • on lamp load, max. • "0" to "1", max. • "1" to "0", max. Switching frequency • of the pulse outputs, with resistive load, max. • "1" to "0", max. Switching frequency • Number of relay outputs • Number of operating cycles, max. • Number of relay outputs • Number of relay outputs • Number of operating cycles, max. • mechanically 10 million, at rated load voltage 100 000	— up to 40 °C, max.	14
• for signal "0" • for signal "1" Input delay (for rated value of input voltage) for standard inputs — parameterizable — at "0" to "1", min. — at "0" to "1", max. 12.8 ms for interrupt inputs — parameterizable Yes for technological functions — parameterizable • shielded, max. • shielded, max. • unshielded, max. ■ unshielded, max. ■ on lamp load, max. • on lamp load, max. Output delay with resistive load • "0" to "1", max. 10 ms; max. 10 ms; max. 10 ms; max. • "1" to "0", max. • "	Input voltage	
• for signal "1" Input delay (for rated value of input voltage) for standard inputs	Rated value (DC)	24 V
Input delay (for rated value of input voltage) for standard inputs - parameterizable provided in groups of four provided in groups of groups of four provided in groups of grou		
for standard inputs parameterizable parameterizable at "0" to "1", min at "0" to "1", max parameterizable parame		15 V DC at 2.5 mA
- parameterizable Yes; 0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in groups of four - at "0" to "1", min at "0" to "1", max. for interrupt inputs - parameterizable Yes for technological functions - parameterizable Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz & 3 at 30 kHz. Cable length • shielded, max. • unshielded, max. • unshielded, max. 10; Relays Switching capacity of the outputs • with resistive load, max. • on lamp load, max. • of "to "1", max. • "1" to "0", max. Switching frequency • of the pulse outputs, with resistive load, max. 10 ms; max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000		
groups of four - at "0" to "1", min. - at "0" to "1", max. for interrupt inputs - parameterizable - parameterizable Yes for technological functions - parameterizable Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz Cable length • shielded, max. • shielded, max. • unshielded, max. • on lamp to digital outputs • with resistive load, max. • on lamp load, max. • on lamp load, max. • on lamp load, max. • "0" to "1", max. • "1" to "0", max. Switching frequency • of the pulse outputs, with resistive load, max. • "1" to "0", max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000	·	
- at "0" to "1", min. - at "0" to "1", max. 12.8 ms for interrupt inputs - parameterizable Yes for technological functions - parameterizable Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz Cable length • shielded, max. • unshielded, max. • unshielded, max. Vesible degree Number of digital outputs Switching capacity of the outputs • with resistive load, max. • on lamp load, max. • "0" to "1", max. • "0" to "1", max. • "1" to "0", max. Switching frequency • of the pulse outputs, with resistive load, max. • Of the pulse outputs, with resistive load, max. • Number of relay outputs • Number of operating cycles, max.	— parameterizable	
- at "0" to "1", max. for interrupt inputs - parameterizable yes for technological functions - parameterizable Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz Cable length • shielded, max. • unshielded, max. • unshie	— at "0" to "1" min	
for interrupt inputs — parameterizable Yes for technological functions — parameterizable Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz &		
- parameterizable Yes for technological functions - parameterizable Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz Cable length • shielded, max. 500 m; 50 m for technological functions • unshielded, max. 300 m; for technological functions: No Digital outputs Number of digital outputs 10; Relays Switching capacity of the outputs • with resistive load, max. 2 A • on lamp load, max. 30 W with DC, 200 W with AC Output delay with resistive load • "0" to "1", max. 10 ms; max. • "1" to "0", max. 10 ms; max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of relay outputs • Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000		
for technological functions — parameterizable Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz Cable length • shielded, max. • unshielded, max. • unshielded, max. 500 m; 50 m for technological functions 300 m; for technological functions: No Digital outputs Number of digital outputs 10; Relays Switching capacity of the outputs • with resistive load, max. • on lamp load, max. 10 ms; max. 10 ms; max. 10 ms; max. 10 ms; max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of relay outputs • Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000	· · ·	Yes
Parameterizable Yes; Single phase: 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz Cable length • shielded, max. • unshielded, max. 500 m; 50 m for technological functions 300 m; for technological functions: No Digital outputs Number of digital outputs 10; Relays Switching capacity of the outputs • with resistive load, max. • on lamp load, max. 2 A • on lamp load, max. 30 W with DC, 200 W with AC Output delay with resistive load • "0" to "1", max. • "1" to "0", max. 10 ms; max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of relay outputs • Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000		
Cable length • shielded, max. • unshielded, max. 500 m; 50 m for technological functions • unshielded, max. 300 m; for technological functions: No Digital outputs Number of digital outputs 10; Relays Switching capacity of the outputs • with resistive load, max. • on lamp load, max. • on lamp load, max. 10 ms; max. • "1" to "0", max. 10 ms; max. 10 ms; max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of relay outputs • Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000	·	Yes; Single phase: 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at
 shielded, max. unshielded, max. 300 m; for technological functions: No Digital outputs Number of digital outputs Switching capacity of the outputs with resistive load, max. on lamp load, max. on lamp load, max. on '" to "1", max. "1" to "0", max. with resistive load "1" to "0", max. switching frequency of the pulse outputs, with resistive load, max. 1 Hz Relay outputs Number of relay outputs Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000 		
unshielded, max. Digital outputs Number of digital outputs Switching capacity of the outputs with resistive load, max. on lamp load, max. Output delay with resistive load """ to """, max. """ to "0", max. Switching frequency of the pulse outputs, with resistive load, max. 10 ms; max. 10 ms; max. 11 Hz Relay outputs Number of relay outputs Number of operating cycles, max. 300 m; for technological functions: No 10; Relays 2 A 2 A 30 W with DC, 200 W with AC 10 ms; max. 10 ms; max. 11 Hz Relay outputs Number of operating cycles, max. 10 ms; max. 11 Hz Relay outputs Number of operating cycles, max. 10 mechanically 10 million, at rated load voltage 100 000	Cable length	
Number of digital outputs Number of digital outputs with resistive load, max. on lamp load, max. on lamp load, max. """ to """, max. """ to """, max. """ to "o", max. Switching frequency of the pulse outputs, with resistive load, max. 10 ms; max. Switching frequency of the pulse outputs, with resistive load, max. 11 Hz Relay outputs Number of relay outputs Number of operating cycles, max. Mumber of operating cycles, max. 10 ms; max.		The state of the s
Number of digital outputs Switching capacity of the outputs with resistive load, max. on lamp load, max. Output delay with resistive load "0" to "1", max. "1" to "0", max. "1" to "0", max. 10 ms; max. Switching frequency of the pulse outputs, with resistive load, max. 1 Hz Relay outputs Number of relay outputs Number of operating cycles, max. 10 ms; max. 11 ms; max. 12 A 13 W with DC, 200 W with AC 14 D ms; max. 15 max. 16 ms; max. 17 Hz Relay outputs Number of relay outputs Number of operating cycles, max. Mechanically 10 million, at rated load voltage 100 000	·	300 m; for technological functions: No
Switching capacity of the outputs • with resistive load, max. • on lamp load, max. Output delay with resistive load • "0" to "1", max. • "1" to "0", max. 10 ms; max. 10 ms; max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of relay outputs • Number of operating cycles, max. Metalogous and the outputs outputs are calculated as a content of the output of the output out		
 with resistive load, max. on lamp load, max. Output delay with resistive load "0" to "1", max. "1" to "0", max. Switching frequency of the pulse outputs, with resistive load, max. Play outputs Number of relay outputs Number of operating cycles, max. 10 ms; max. 1 Hz 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 1		10; Relays
 on lamp load, max. Output delay with resistive load "0" to "1", max. "1" to "0", max. Switching frequency of the pulse outputs, with resistive load, max. Relay outputs Number of relay outputs Number of operating cycles, max. 30 W with DC, 200 W with AC 10 ms; max. 11 Hz 11 Hz 10 ms; max. 11 Hz 10 ms; max. 10 mechanically 10 million, at rated load voltage 100 000 		
Output delay with resistive load • "0" to "1", max. • "1" to "0", max. Switching frequency • of the pulse outputs, with resistive load, max. 1 Hz Relay outputs • Number of relay outputs • Number of operating cycles, max. Mechanically 10 million, at rated load voltage 100 000		
 "0" to "1", max. "1" to "0", max. Switching frequency of the pulse outputs, with resistive load, max. 1 Hz Relay outputs Number of relay outputs Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000 		30 W with DC, 200 W with AC
 "1" to "0", max. Switching frequency of the pulse outputs, with resistive load, max. 1 Hz Relay outputs Number of relay outputs Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000 		
Switching frequency • of the pulse outputs, with resistive load, max. Relay outputs • Number of relay outputs • Number of operating cycles, max. 1 Hz 10 mechanically 10 million, at rated load voltage 100 000		
 of the pulse outputs, with resistive load, max. Relay outputs Number of relay outputs Number of operating cycles, max. 1 Hz 10 mechanically 10 million, at rated load voltage 100 000 		10 ms; max.
Relay outputs • Number of relay outputs • Number of operating cycles, max. 10 mechanically 10 million, at rated load voltage 100 000	• • •	
 Number of relay outputs Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000 		1 Hz
Number of operating cycles, max. mechanically 10 million, at rated load voltage 100 000	·	40
	Number of operating cycles, max. Cable length	mechanically 10 million, at rated load voltage 100 000

• shielded, max.	500 m
• unshielded, max.	150 m
Analog inputs	
Number of analog inputs	2
Input ranges	-
• Voltage	Yes
Input ranges (rated values), voltages	100
• 0 to +10 V	Yes
— Input resistance (0 to 10 V)	≥100k ohms
Cable length	
• shielded, max.	100 m; twisted and shielded
Analog outputs	
Number of analog outputs	2
Output ranges, current	
• 0 to 20 mA	Yes
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
Resolution with overrange (bit including sign), max.	10 bit
Integration time, parameterizable	Yes
Conversion time (per channel)	625 µs
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
Resolution with overrange (bit including sign), max.	10 bit
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
RJ 45 (Ethernet)	Yes
Protocols	
PROFINET IO Controller	Yes
PROFINET IO Device	Yes; Also simultaneously with IO-Device functionality
PROFINET IO Controller	
Transmission rate, max.	100 Mbit/s
Services	
 Number of connectable IO Devices, max. 	16
PROFINET IO Device	
Services	
— Shared device	Yes
Number of IO Controllers with shared device, max.	2
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
PROFIBUS	Yes; CM 1243-5 required
AS-Interface	Yes
Protocols (Ethernet)	
• TCP/IP	Yes
Open IE communication	
• TCP/IP	Yes
• ISO-on-TCP (RFC1006)	Yes
• UDP	Yes
Web server	
• supported	Yes
User-defined websites	Yes
Further protocols	

MODBUS	Yes
communication functions / header	
S7 communication	
supported	Yes
as server	Yes
• as client	Yes
Number of connections	165
	46: dynamically
• overall	16; dynamically
Test commissioning functions	
Status/control	V
Status/control variable	Yes
• Variables	Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters
Forcing	
• Forcing	Yes
Diagnostic buffer	· ·
• present	Yes
Traces	
Number of configurable Traces	2; Up to 512 KB of data per trace are possible
Integrated Functions	
Counter	
Number of counters	6
Counting frequency, max.	100 kHz
Frequency measurement	Yes
controlled positioning	Yes
Number of position-controlled positioning axes, max.	8
Number of positioning axes via pulse-direction interface	Up to 4 with SB 1222
PID controller	Yes
Number of alarm inputs	4
Potential separation	
Potential separation digital inputs	
 Potential separation digital inputs 	500 V AC for 1 minute
 between the channels, in groups of 	1
Potential separation digital outputs	
 Potential separation digital outputs 	Relays
 between the channels 	No
 between the channels, in groups of 	2
EMC	
Interference immunity against discharge of static electricity	
 Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 	Yes
Test voltage at air discharge	8 kV
Test voltage at contact discharge	6 kV
Interference immunity to cable-borne interference	
 Interference immunity on supply lines acc. to IEC 61000- 4-4 	Yes
• Interference immunity on signal cables acc. to IEC 61000-4-4	Yes
Interference immunity against voltage surge	
• Interference immunity on supply lines acc. to IEC 61000-4-5	Yes
Interference immunity against conducted variable disturbance induc	ced by high-frequency fields
 Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 	Yes
Emission of radio interference acc. to EN 55 011	
• Limit class A, for use in industrial areas	Yes; Group 1
Limit class B, for use in residential areas	Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
Ecological footprint	
environmental product declaration	Yes
·	

Global warming potential	400.1
— global warming potential, (total) [CO2 eq]	106 kg
— global warming potential, (during production) [CO2 eq]	18.5 kg
global warming potential, (during operation) [CO2 eq]	88.2 kg
 — global warming potential, (after end of life cycle) [CO2 eq] 	-1.12 kg
Ambient conditions	
Free fall	
● Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	
	-40 °C; = Tmin (incl. condensation/frost); start-up @ -25 °C 60 °C; = Tmax; Tmax > +55 °C number of simultaneously switched-on digital inputs 7, digital outputs 5, analog inputs 2, analog outputs 2 (no adjacent points) with horizontal mounting position
At cold restart, min. Ambient temperature during storage/transportation.	-25 °C
Ambient temperature during storage/transportation • min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
Installation altitude above sea level, max.	2 000 m
Ambient air temperature-barometric pressure-altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m); above 2 000 m max. 132 V AC
Relative humidity	
With condensation, tested in accordance with IEC 60068- 2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Vibrations	
 Vibration resistance during operation acc. to IEC 60068- 2-6 	2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail
Operation, tested according to IEC 60068-2-6	Yes
Shock testing	
• tested according to IEC 60068-2-27	Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms
Resistance	
Coolants and lubricants	
Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	Vest Class 2D2 model function and described and the second of the second
to biologically active substances according to EN 60721-3-3 to shamically active substances according to EN.	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
to mechanically active substances according to EN 60721-3-3 Use on ships/at sea	Yes; Class 3S4 incl. sand, dust, *
to biologically active substances according to EN	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on
— to bloogically active substances according to EN 60721-3-6 — to chemically active substances according to EN	request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity
60721-3-6 — to mechanically active substances according to EN	degree 3); * Yes; Class 6S3 incl. sand, dust; *
60721-3-6	, , , , , , , , , , , , , , , , , , ,
Usage in industrial process technology	
— Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlorethylene)
 Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
 Coatings for printed circuit board assemblies acc. to EN 61086 	Yes; Class 2 for high reliability
 Protection against fouling acc. to EN 60664-3 	Yes; Type 1 protection
 Military testing according to MIL-I-46058C. Amendment 7 	Yes: Discoloration of coating possible during service life

 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Yes; Conformal coating, Class A configuration / header configuration / programming / header Programming language — LAD Yes — FBD Yes — SCL Yes programming / cycle time monitoring / header • adjustable Yes Dimensions Width 130 mm Height 100 mm Depth 75 mm

550 g

last modified: 10/9/2024 🖸

Weight, approx.