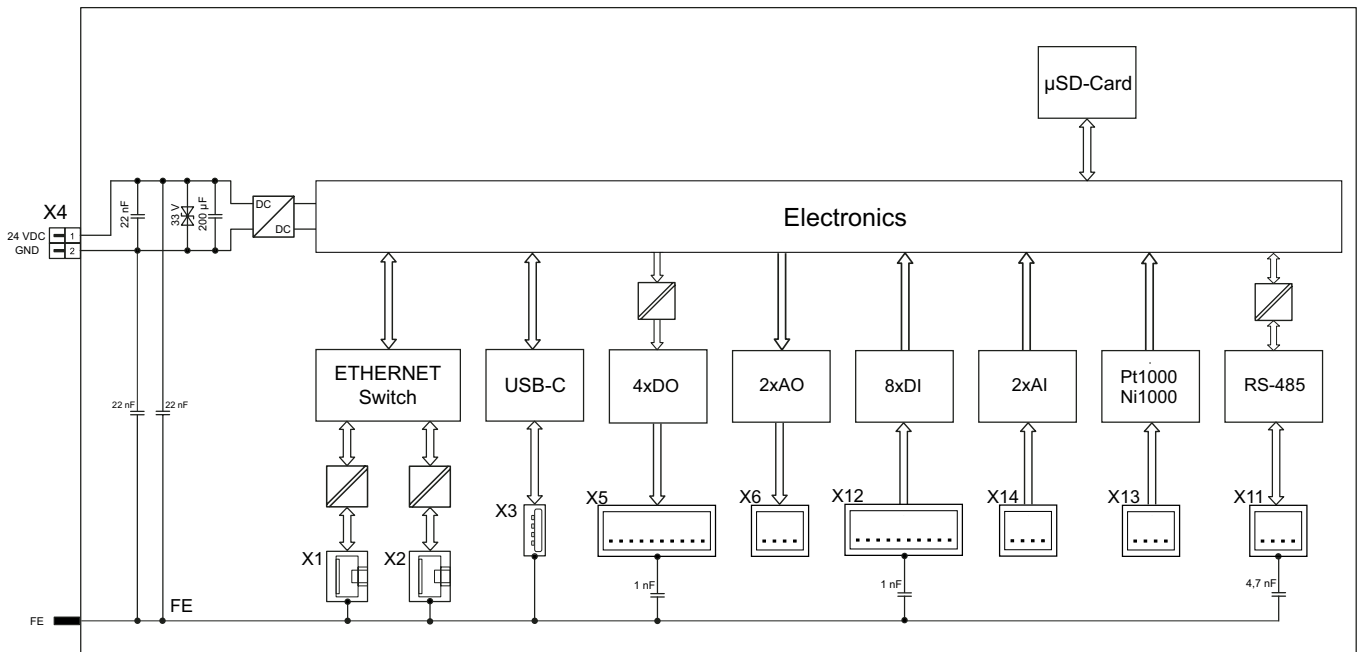


Description	Item No.	PU
Compact Controller 100	751-9301	1
Accessories	Item No.	PU
Memory card microSD; SLC-NAND; 2 GB	758-879/000-3102	1
Memory card microSD; pSLC-NAND; 8 GB	758-879/000-3108	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector, 2-pole	2091-1122	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector, 4-pole	2091-1124	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector, 10-pole	2091-1130	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector; gripping plate and sliding connector release; 2-pole	2091-1102/002-000	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector; gripping plate and sliding connector release; 4-pole	2091-1104/002-000	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector; gripping plate and sliding connector release; 10-pole	2091-1110/002-000	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector; gripping plate, 2-pole	2091-1102	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector; gripping plate, 4-pole	2091-1104	1
<i>picoMAX</i> ® 3.5; 1-conductor female connector; gripping plate, 10-pole	2091-1110	1
Unlocking tool; orange	2092-1630	1
Approvals		
Conformity marking	CE, UK	
•E175199 Ordinary Locations	Pending	

Technical Data	
Communication	Modbus (TCP, UDP); Modbus RTU
ETHERNET protocols	DHCP, DNS, NTP, FTP, FTPS, SNMP, HTTP, HTTPS, SSH
CPU	Cortex A7; 650 MHz
Operating system	Real-time Linux (with RT-Preempt patch)
Programming environment	CODESYS V3.5
Programming languages per IEC 61131-3	IL, LD, FBD (CFC), ST, FC
Visualization	Web-Visu
Transmission rate	ETHERNET: 10/100 Mbit/s; RS-485: 1200 ... 115,200 Baud
Transmission medium	ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length; RS-485: Twisted pair
Memory card type	microSD up to 32 GB (all guaranteed properties only valid with WAGO's memory card)
Memory card slot	Push-push mechanism; Cover lid (sealable)
Main memory (RAM)	512 MB
Internal memory (flash)	4 GB
Non-volatile memory (hardware)	128 KB
Program memory	32 MB
Data memory	128 MB
Non-volatile memory (software)	128 KB



### Technical Data

Configuration options	CODESYS V3.5; ETHERNET Settings; Web-Based Management
Indicators	LED (SYS, RUN), red/green: Status of system; LED (USR) red/green: User programmable status (can be used via CODESYS library); LED (SD) orange: Status of μSD; LED (LNK/ACT) green: Network connection via ports 1 ... 2; LED (DI1 ... 8) green: Status of inputs; LED (DO1 ... 4) green: Status of outputs
Controls	Operating mode switch (RUN, STOP, RESET); reset button
Supply voltage (system)	24 VDC (-15 ... 20 %); via wiring interface (picoMAX® 3.5; Push-in CAGE CLAMP® connection)
Current consumption (system supply)	0.5 ADC (max.)
Supply voltage (field)	24 VDC (-15 ... 20 %); via wiring interface (picoMAX® 3.5; Push-in CAGE CLAMP® connection)
Current consumption (field supply)	2 ADC (max.)
Isolation	500 V (DC 1 min., between system and field level)
Number of digital inputs	8
Input characteristic	Type 3 (per EN 61131-2)
Number of digital outputs	4
Output current	500 mA DC; short-circuit-protected
Number of analog inputs	2
Signal type (analog inputs)	0 ... +10 VDC
Resolution	16 bits
Number of analog outputs	2
Signal type (analog outputs)	0 ... +10 VDC
Resolution	12 bits
Load impedance	≥ 5 kΩ
Number of RTD inputs	2
Signal type (RTD)	-60 °C ... 350 °C, PT1000, Ni1000

### General Specifications

Connection technology: communication/fieldbus	ETHERNET: 2 x RJ-45; RS-485: picoMAX® 3.5; Push-in CAGE CLAMP®
Connection technology: system/field supply	picoMAX® 3.5; Push-in CAGE CLAMP®
Conductor cross-sections	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Dimensions W x H x D (mm)	108 x 55 x 90; Height from upper-edge of DIN-rail
Mounting type	DIN-35 rail
Color	Light gray
Housing material	Polycarbonate, polyamid
Weight	195 g
Surrounding air temperature (operation)	-25 ... 60 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Protection class	II
Operating altitude	0 ... 2000 m
Mounting position	Any
Relative humidity (without condensation)	95 %
Vibration resistance	1g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	Per EN 61000-6-2
EMC emission of interference	Per EN 61000-6-3