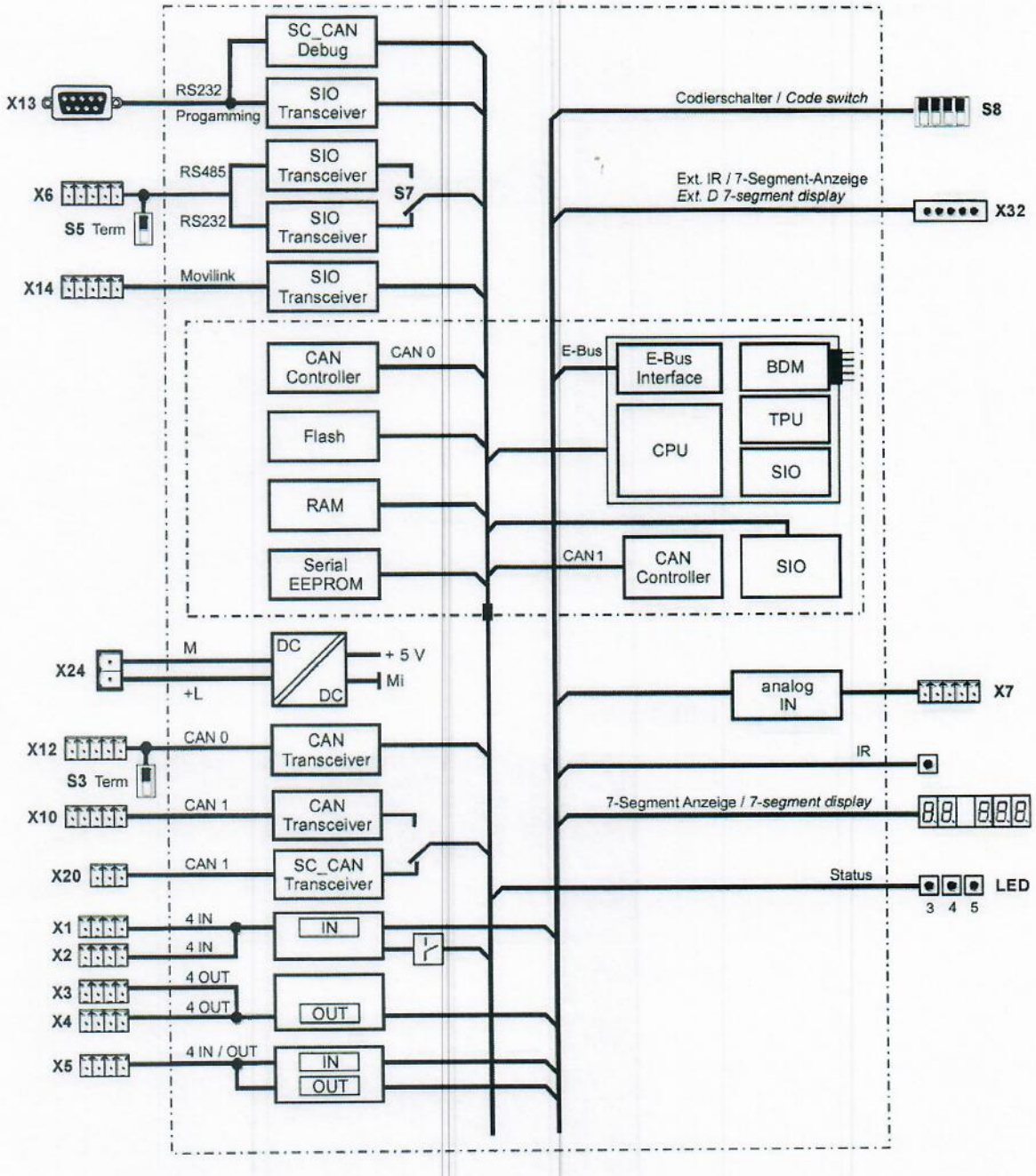
2.1. Techical data

CCPU 8/8/4 module data	
Versions / Item no.	Refer to section below 'Versions and item numbers'
Development environment	CP1131
Dimensions WxHxD [mm]	204 x 175 x 48
Weight	app. 700 g
Mounting	Mounting frame for installing at front of device
Extension	None
Working temperature range	5° C to 50° C (no condensation) convection cooling assured
CPU	68332 / 25 MHz
Programming software	IEC 61131-3
User memory	
Program and data memory (RAM)	640 kb
Program memory (Flash)	576 kb
Retain memory	16 kb
Supply voltage, power consumption	
Power supply Module electron-ics(connected load)	+24 VDC (18 - 32) ≤ 0.5 A (EN 61131-2) SELV (X24)
Power supply digital I/O	+24 VDC (EN 61131-2) together with module supply
Current consumption	At U_e= +24 VDC in no-load mode, max. 500 mA, protection depending on I/O load, max. 6 A
Power consumption	<8 W without additional consumers, 12 W for SC_CAN at 100% bus load
Protection against reversing the polarity of the supply voltage	Yes
Potential isolation	No
Digital inputs/outputs (DIO)	
Number of inputs	8 (X1/X2) up to 2 of which as +24 V counter inputs to be used via the TPU Counting frequency for 4-fold evaluation: ≤ 20 kHz
Number of outputs	8 (X3 / X4)
Number of inputs/outputs	4 (X5)
Output current	0.5 A
Short circuit protection	Yes
Potential isolation	No
Wiring technique	Vertical single-conductor front wiring for clamping plug strips
Analog inputs	
Number	2 analog inputs 0..20 mA (X7)
Input characteristics	Up to 20 mA U < 5V at overvoltage (< 32 V) max. 40 mA
Resolution	10 bits
Wiring technique	Vertical front wiring for plug strips (not included in scope of supply)

Serial data interfaces	
Number and type of interfaces	1 x RS232 (X13) for programming / application 1 x RS485 convertible to RS232 (X5) 1 x RS485 is especially designed for manufacturer-specific 'Movilink for Movimot motors' (SEW EURODRIVE) protocol (X14)
Wiring technique	Vertical front wiring for plug strips (not included in scope of supply)
CAN Interfaces	
Number and type of interfaces	2 CAN ISO11898: CAN channel 0 (X12), CAN channel 1 (X10); optionally CAN channel 1 for SC_CAN (X20) contact line communication switchover via software
Wiring technique	Vertical front wiring for plug strips (not included in scope of supply)
Matrix keyboard	
Number and type of keys and LED	Matrix keyboard with 8 keys and 6 LED (optional)
Operating/Display elements	
Display elements	5-figure 7-segment display 3 status LED (operating state of module); 1 status LED per digital input/output (DIO) 1 LED +24 V 2 CAN LED, separately for each channel
Control elements	2 DIP switches for selectable termination (CAN, RS485) 1 DIP switches for switching over from RS485 to RS232
Operating/Display elements	1 communications activity - LED for each CAN channel 1 DIP switch for energizable / selectable terminating resistor CAN 0
Code switch	1 DIP switch (4 bits each) for codes (S8)
Operating mode switch	No
Programming interface	Via CAN bus or RS232 interface

2.2. Block diagram



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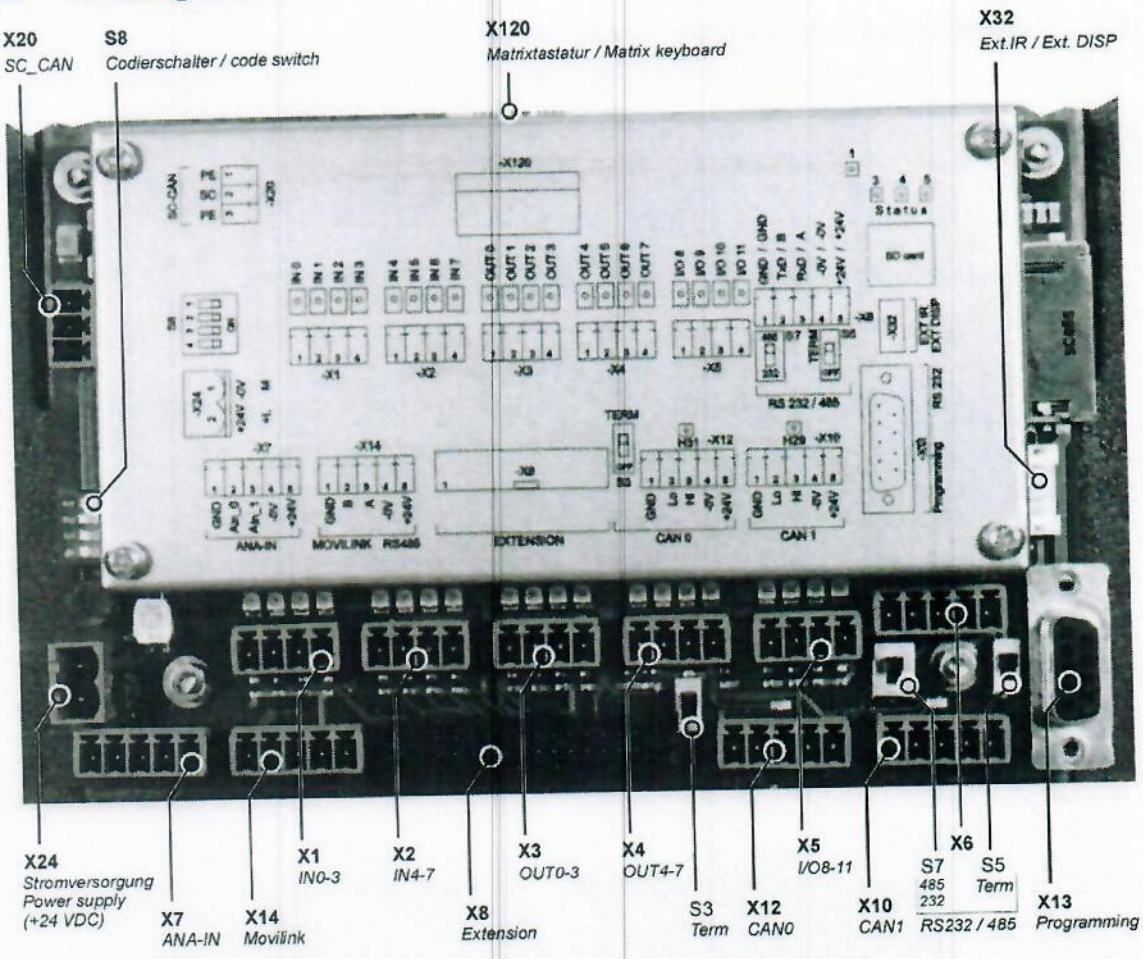
2.3.3. Pin assignment



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