

Compact

Modular and high-performance PLC system

The Compact PLC can be used for centralized and decentralized applications from the mid range up to higher performance ranges. It offers a flexible and future-proof automation solution. Main field of application is the control of textile finishing machinery in conjunction with a connected SECOM controller.

Graphical programming language according to IEC 61131-3 (CoDeSys) and extensive program libraries allow for a fast and clear implementation of the given automation requirements.

The space saving size and the flexible connectivity in the control panel are essential features of the Compact racks CR 8 and CR 16. With 8 or 16 freely available slots, small and large process control systems can easily be realized.

The multitudes of available modules provide a customized solution for all applications. If necessary the Compact system can always be extended via the SETEX own DIOS field bus by using additional Compact racks and SETEX field bus modules.

Plug-in card carrier



Description	CR 8	CR 16
Article no.	STC00001***	STC00003***
Number of slots	8	16

*** incl. power supply PS 40

Power supply



Description	PS 40
Article no.	BGC02000
Power consumption	40 VA

CPU boards



Description	CP 8	CP 14	CP 14 _{XM}	CP 16	CP 16 _{XM}
Article no.	BGC03100	BGC03050	BGC03052	BGC03000	BGC03002
CPU	8 Bit	16 Bit	16 Bit	16 Bit	16 Bit
Program memory	32K	254K	512K	254K	512K
Fieldbus interfaces					
DIOS (Master)	•	–	–	•	•
CANopen (Master)	–	–	–	•	•
Programmingtool					
CoDeSys	–	•	•	•	•
PLCLAB	•	–	–	–	–

Decentralization boards



Description	CI 16D
Article no.	BGC03301
Fieldbus interfaces	
DIOS (Slave)	•

Communication board



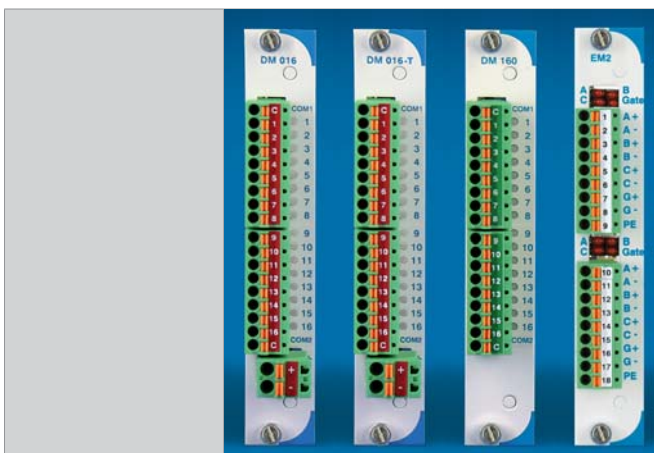
Description	IM ARC
Article no.	BGC06000
Interfaces	Arcnet (RS485)

Analog I/O boards



Description	AM 008	AM 060	AM 122	AM 222	AM 221 I	AM 600
Article no.	BGC05300	BGC05100	BGC05000	BGC05050	BGC05080	BGC05200
Analog inputs						
PT100	–	–	1	2	2	6
Current/voltage	–	6	2	2	2	–
Analog outputs						
Current	8	–	2	2	1	–
Voltage	–	–	–	–	1	–
Counter inputs						
Counter 2 kHz	1	1	1	1	1	1

Digital I/O boards

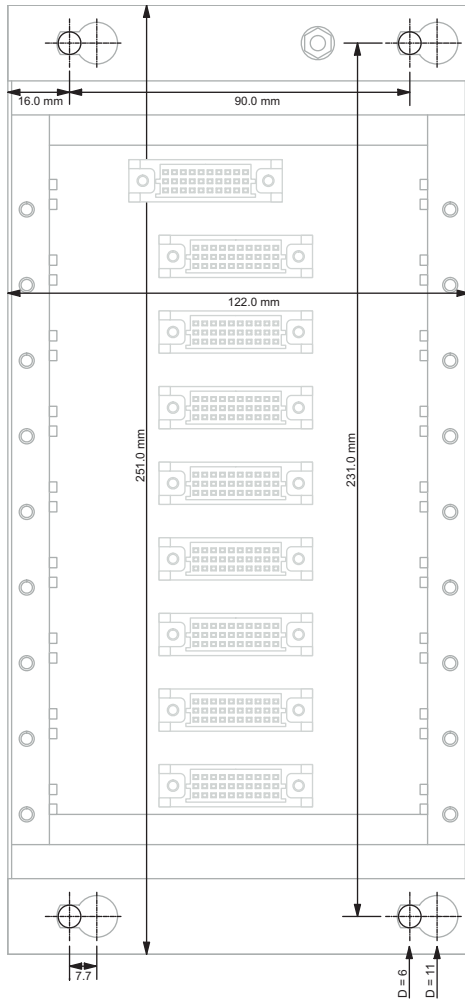


Description	DM 016	DM 016-T	DM 160	EM2
Article no.	BGC04111	BGC04310	BGC04011	BGC05800
Digital inputs				
Inputs	–	–	16	–
Digital outputs				
Outputs (Relais)	16	–	–	–
Outputs (Transistor)	–	16	–	–
Counter inputs				
Counter 1 MHz	–	–	–	2*
Encoder inputs				
	–	–	–	2*

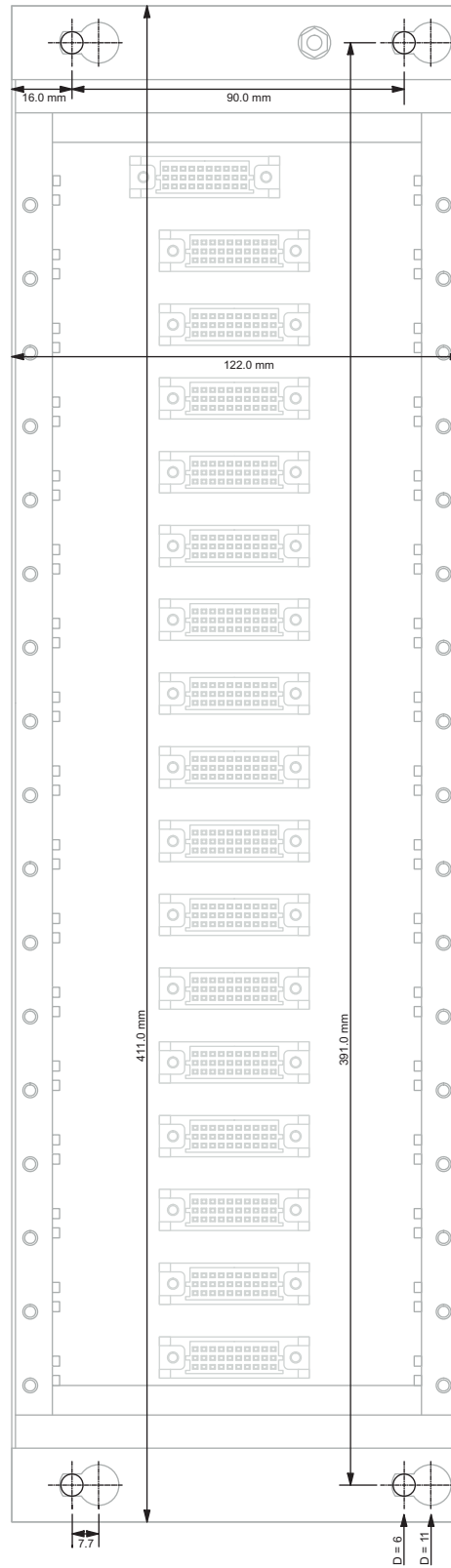
* Channel can optionally be used either as counter or as encoder input.

Mounting instructions

CR 8 (scale 1:2)



CR 16 (scale 1:2)



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