

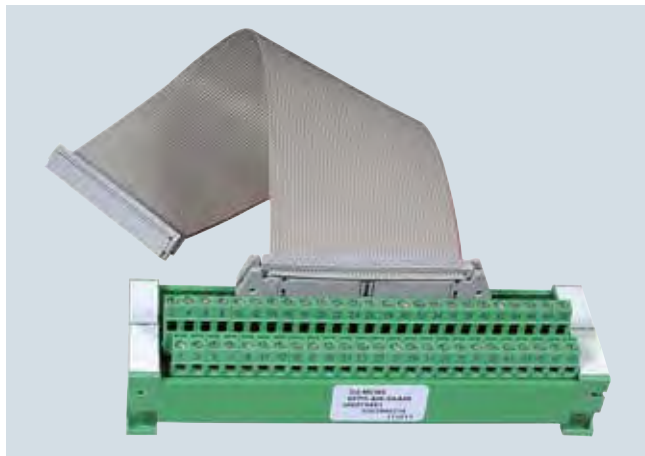
Overview of functions

SINUMERIK 808D family

PLC area

✓ Basic version ○ Option – Not available	Article No.	SINUMERIK 808D PPU 141.1		SINUMERIK 808D ADVANCED PPU 160.3/PPU 161.3	
	Note	Turning	Milling	Turning	Milling
PLC area					
Integrated PLC		✓	✓	✓	✓
Style of PLC program:					
• Prepared and ready to run PLC program on board		✓	✓	✓	✓
• Fully customized PLC programs by offline PLC programming tool		✓	✓	✓	✓
Fixed cycle time for PLC		12 ms	12 ms	12 ms	12 ms
Maximum number of ladder steps		6000	6000	6000	6000
PLC programming language:					
• LAD ladder diagram		✓	✓	✓	✓
Offline PLC programming tool	6FC5811-0CY00-0YA8 On toolbox DVD-ROM	○	○	○	○
PLC Ladder Viewer on PPU		✓	✓	✓	✓
PLC I/O:					
• On-board digital PLC:	Connection via screw-clamp connector on PPU.				
- Inputs 24 V		24	24	24	24
- Outputs 24 V, 0.2 A		16	16	16	16
• On-board digital PLC:	Connection via 50-pole ribbon cable connector.				
- Inputs 24 V		48	48	48	48
- Outputs 24 V, 0.2 A		32	32	32	32
Connection via 50-pole ribbon cable connector to PPU:					
• Terminal strip converter	6EP5406-5AA00	○	○	○	○
• Cable set	6EP5306-5BG00	○	○	○	○
PLC alarms/messages, max. number		128	128	128	128
Bit memories, number		256 bytes	256 bytes	256 bytes	256 bytes
Timers, number		64	64	64	64
Counters, number		64	64	64	64
Subroutines		64	64	64	64
User machine data for configuring the PLC user program		✓	✓	✓	✓

Overview



Terminal strip converter

The SINUMERIK 808D PPU 141.1/SINUMERIK 808D ADVANCED PPU 16x.3 feature 24 digital PLC inputs and 16 digital PLC outputs which can be connected directly using screw-clamps on the PPU.

In addition, the PPU 141.1/PPU 16x.3 feature 48 digital PLC inputs and 32 digital PLC outputs which can be connected via 2 terminal strip converters.

This allows the connection of process signals directly in the cabinet with significantly reduced wiring efforts.

Design

Connection of PLC process signals

- Screw-clamps
 - 24 digital inputs
 - 16 digital outputs

Connection to PPU

- Ribbon cable, 50-pole
- Insulation displacement connectors

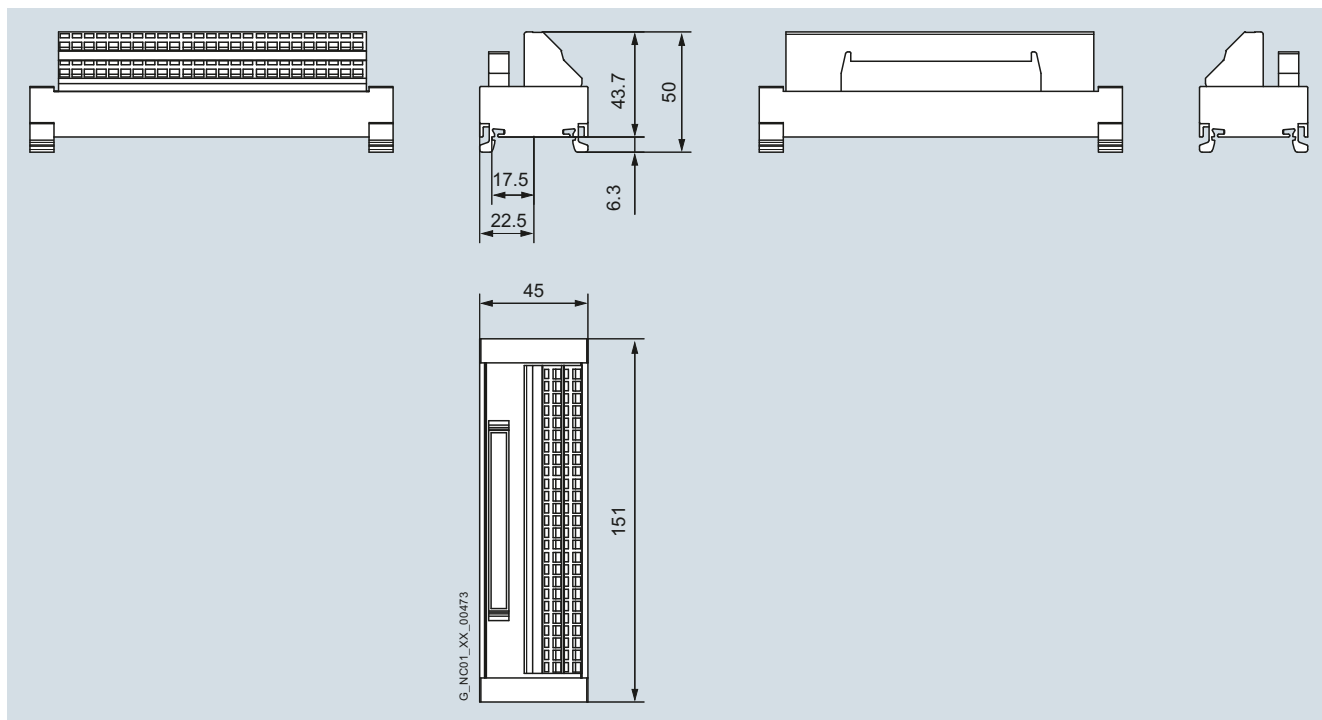
Cabinet mounting

- Standard mounting rails

Selection and ordering data

Description	Article No.
Terminal strip converter	6EP5406-5AA00
50-pole	
Cable set	6EP5306-5BG00
Ribbon cable, 50-pole, length: 6 m 8 insulation displacement connectors, 50-pole	

Dimensional drawings



Terminal strip converter