

## JUMO mTRON T - Central Processing Unit (705001)

- Process mapping for up to 30 input/output modules
- Ethernet interface with integrated web server
- 1 USB interface
- 64 limit values are monitored
- PLC according to IEC 61131-3 (CODESYS V3.5)
- OPC server (CODESYS V3.5)
- 9 program generators
- 2 field bus interfaces
- Math and logic module



### Order details

<b>(1) Basic type</b>	
705001	Central processing unit (1x Ethernet (RJ45), 1x system bus (RJ45), 1x system bus (E-Bus), monitoring of 64 limit values)
<b>(2) Basic type extension</b>	
0	Standard
<b>(3) Version</b>	
8	Standard with default settings
<b>(4) Interface Com1</b>	
00	Not used
51	RS232 Modbus RTU
54	RS422/485 Modbus RTU
<b>(5) Interface Com2</b>	
00	Not used
51	RS232 Modbus RTU
54	RS422/485 Modbus RTU
64	PROFIBUS DP (slave)
<b>(6) Voltage supply</b>	
36	DC 24 V +25/-20 %
<b>(7) DNV GL approved</b>	
000	Without approval
062	With DNV GL approval
<b>(8) Extra codes</b>	
000	None
214	Math and logic module (activation of all connected controller modules)
224	PLC according to IEC 61131-3 (CODESYS V3.5)
225	Program generators 1-9
228	Program generators 1-9 with procedural steps

### Order code

(1) (2) (3) (4) (5) (6) (7) (8)

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List extra codes in sequence, separated by commas.

### Important information:

The central processing unit can administrate a maximum of 30 controllers or input/output modules.  
The maximum current load of the internal system bus (plug contact) for the supply of the modules is 8 A.

Planning data: module width 135 mm, current consumption max. 350 mA

Power supply unit with GL approval required (e.g. type 705090).

**Overview: expansion boards**

Description	Order code	Part no.
RS232 Modbus RTU (code: 51)	705099/51-000	00569505
RS422/485 Modbus RTU (code: 54)	705099/54-000	00569506
PROFIBUS-DP (code: 64)	705099/64-000	00569507

**Overview: activations**

Description	Order code	Part no.
Math and logic module (activation of all connected controller modules) (code: 214)	705099/0-214	00569509
PLC according to IEC 61131-3 (CODESYS V3) (code: 224)	705099/0-224	00569510
Activation of program generators 1-9 (code: 225)	705099/0-225	00569511
Activation of program generators 1-9 with procedural steps (code: 228)	705099/0-228	00606498


**Stock versions**

Order code	Part no.
705001/08-00-00-36/000	00569490
705001/08-54-00-36/224,225	00569491

**Accessories**

Description	Part no.
USB cable, A-connector to Mini-B connect length 3 m	00506252
Screw-on end clamp for mounting rail	00528648
705099/51-000 (RS232 Modbus RTU)	00569505
705099/64-000 (PROFIBUS DP)	00569507
705099/54-000 (RS422/485 Modbus RTU)	00569506
705099/0-214	00569509
705099/0-224 (CODESYS V3))	00569510
705099/0-225 (activation program generat	00569511
705099/0-228 (activation program generat with procedural steps)	00606498
JUMO mTRON T system manual, German	00569517
JUMO mTRON T manual, English	00575577
Remote maintenance modem MDH815 (analog, 4x LAN)	00592406
Remote maintenance modem MDH816 (Ethernet, 4x LAN)	00592413
Remote maintenance modem MDH819 (UMTS, 4	00592417
Remote maint.modem MDH849 (Ethernet, UMTS, 4x LAN)	00592418
Gateway JUMO mTRON T Modbus RTU to PROFI	00606499
Power supply unit DC 5 V (5.0 bis 5.5 V) input voltage AC 100 to 240 V; for DIN rail mounting	00665745
Interface module for digiLine master con cable with screw terminals and 9-pin D-sub pin header, for DIN rail mounting	00665752
D-sub connection cables Round, 9-pin socket and pin header, length 1 m	00665749
D-sub connection cables Round, 9-pin socket and pin header, length 2 m	00665750
D-sub connection cables Round, 9-pin socket and pin header, length 3 m	00665751
M12 digiLine master connecting cable For 705001, 5-pole, A-coded, 1.5 m long	00665529
M12 digiLine master connecting cable For 705001, 5-pole, A-coded, 5 m long	00665539
M12 digiLine master connecting cable For 705001, 5-pole, A-coded, 10 m long	00665547
RJ45 patch cable S/FTP, cat. 6A, 1.5 m l	00666324
RJ45 patch cable S/FTP, cat. 6A, 3 m lon	00666326
RJ45 patch cable S/FTP, cat. 6A, 5 m lon	00665966
RJ45 patch cable S/FTP, cat. 6A, 10 m lo	00666327

Accessories see price sheet:

- Multichannel Controller Module (705010)
- Relay Module 4-Channel (705015)
- Analog Input Module 4-Channel (705020)
- Analog Input Module 8-Channel (705021)
- JUMO mTRON T - Analog Output Module Four-Channel (705025)
- Digital Input or Output Module 12-Channel (705030)
- JUMO mTRON T &minus; Router Module (705040)
- JUMO mTRON T – Multifunction Panel 840 (705060)
- Operating Panels – for JUMO mTRON T Measuring, Control, and Automation system (705065)
- Power Supply Units – Module for Automation System (705090)

**Software**

Description	Part no.
JUMO mTRON T 7050.. setup/program editor incl. USB cable A-plug on Mini-B-plug, length 3m	00569494
CODESYS V3.5 patch 1	00597667
CODESYS V3.5 SP3 patch 9	00619562
CODESYS rep.pack - operating panels 3.5.	00619858
GSD file JUMO mTRON T - CPU rev.2.0	00620734
JUMO mTRON T program editor (on mini DVD incl. USB cable A-plug on Mini-B-plug, length 3m	00622333
JUMO Device App for Android	00656256
JUMO digiLine sensor driver	00656740
Process engineering application JUMO mTRON T 357.01.04	00657143
CODESYS rep.pack - operating panels 3.5.	00705995
CODESYS Rep.Pack - Operating Panels - Ex	00705997
CODESYS Dev. Desc - Operating Panels - A	00705998
digiLine-driver (CODESYS V3.5 from SP10)	00706040
CODESYS V3.5 SP10 Patch 0	00706111