

JUMO dTRON 304/308/316 - Compact Controller for the Plastics Industry (703046)

- 48 × 48 mm, 48 × 96 mm, 96 × 96 mm formats
- 2-state/3-state continuous controller, three-step continuous controller
- Inputs/outputs have modular extensibility
- Special functions for plastics processing machines
- Math and logic function
- Interface for Modbus master/slave, current 0/20 mA, PROFIBUS-DP



Order details

(1) Basic type			
	703045	dTRON 316 plast (48x48mm)	1x analog input, 2x relays, 2x logic-in-/outputs
	703046	dTRON 308H plast (48x96 mm)	1x analog input, 2x relays, 2x logic-in-/outputs, supply voltage for 2-wire transmitter
	703048	dTRON 304 plast (96x96 mm)	1x analog input, 2x relays, 2x logic-in-/outputs, supply voltage for 2-wire transmitter
(2) Basic type extension			
X	X	X	2 Basic type
(3) Version			
X	X	X	8 Standard with default settings
X	X	X	9 Customer-specific configuration (specification in plain text)
(4) Logic outputs			
X	X	X	1 2 x 0/12V
X	X	X	2 2 x 0/18V
(5) Slot 1			
X	X	X	0 Not to be used
X	X	X	1 Analog input
X	X	X	2 Relay (changeover)
X	X	X	3 2 relays (make contacts)
X	X	X	4 Analog output
X	X	X	5 2 logic inputs
X	X	X	6 Solid-state relay 1A
X	X	X	7 Interface RS422/485
X	X	X	8 Interface PROFIBUS-DP
X	X	X	9 Current interface TTY
(6) Slot 2			
X	X	X	0 Not to be used
X	X	X	1 Analog input
X	X	X	2 1 relay (changeover)
X	X	X	3 2 relays (make contacts)
X	X	X	4 Analog output
X	X	X	5 2 logic inputs
X	X	X	6 Solid-state relay 1A
X	X	X	7 Interface RS422/485
X	X	X	8 Interface PROFIBUS-DP
X	X	X	9 Current interface TTY
(7) Slot 3			
X	X	X	0 Not to be used
X	X	X	1 Analog input
X	X	X	2 1 relay (changeover)
X	X	X	3 2 relays (make contacts)
X	X	X	4 Analog output
X	X	X	5 2 logic inputs
X	X	X	6 Solid-state relay 1A
X	X	X	7 Interface RS422/485
X	X	X	8 Interface PROFIBUS-DP
X	X	X	9 Current interface TTY
(8) Voltage supply			
X	X	X	23 AC 110 to 240 V +10/-15 %, 48 to 63 Hz

X	X	X	25	AC/DC 20..30V,48..63Hz
(9) Extra codes				
X	X	X	000	None
X	X	X	214	Math and logic module
X	X	X	217	Ratio controller
X	X	X	218	Differential controller
X	X	X	219	Humidity controller

Order code

(1) (2) (3) (4) (5) (6) (7) (8) (9)

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Possible assignments of expansion slots 1 and 2 for dTRON 316plast (703045)

1st	2nd	Expansion slots	Max. number	1st option	2nd option	Order code	Part no.
0	0	Not used	2	X	X		
1	1	Analog input	1	X	X	701550(3041/3046)/1	00442785
2	2	Relay (changeover contact)	1	X	-	701550(3041/3046)/2	00442786
3	3	2 relays (N/O contact)	1	X	-	701550(3041/3046)/3	00442787
4	4	Analog output	2	X	X	701550(3041/3046)/4	00442788
5	5	2 binary inputs	1	X	X	701550(3041/3046)/5	00442789
6	6	Solid state relay 1A	2	X	X	701550(3041/3046)/6	00442790
7	7	RS422/485 interface	1	X	X	701550(3041/3046)/7	00442782
8	8	PROFIBUS-DP interface	1	X	X	701550(3041/3046)/8	00442791
9	9	Current interface 0 to 20 mA TTY	1	X	X	703046/9	00463952

Possible assignments of expansion slots 1, 2, and 3 for dTRON 308plast (703046) and dTRON 304plast (703048)

1st	2nd	3rd	Expansion slots	Max. number	Order code	Part no.
0	0	0	Not used	3		
1	1	1	Analog input	1	701550(3041/3046)/1	00442785
2	2	2	Relay (changeover contact)	2	701550(3041/3046)/2	00442786
3	3	3	2 relays (N/O contact)	2	701550(3041/3046)/3	00442787
4	4	4	Analog output	2	701550(3041/3046)/4	00442788
5	5	5	2 binary inputs	2	701550(3041/3046)/5	00442789
6	6	6	Solid state relay 1A	2	701550(3041/3046)/6	00442790
7	7	7	RS422/485 interface	1	701550(3041/3046)/7	00442782
8	8	8	PROFIBUS-DP interface	1	701550(3041/3046)/8	00442791
9	9	9	Current interface 0 to 20 mA TTY	1	703046/9	00463952

Activation overview

Description	Order code	Part no.
Activation of math and logic module	701550(3041/3046)/214	00444930



Accessories

Description	Part no.
PC interface with converter USB/TTL	00456352
Analog Input Module (universal) dTRON 30	00776490
701550(3041/3046)/2 (relay (1 changeove	00442786
701550(3041/3046)/3 (2 relays (N/O conta	00442787
Analog Output Module dTRON 300 Option 4	00442788
701550(3041/3046)/5 (2 binary inputs)	00442789
701550(3041/3046)/6 (solid-state relay 1	00442790
701550(3041/3046)/7 (interface RS422/485	00442782
701550(3041/3046)/8 (interface PROFIBUS-	00442791
703046/9 (current interface 0..20mA)	00463952
701550(3041/3046)/214 (math and logic mo	00444930
Stainl. steel housing cutout 96 x 96 mm	00628452
surface-mounting 2FGE-125-2/125 Feldgehaeuse	00361257

Software

Description	Part no.
GSD-Generator JUMO 144.01.xx/1.xx (download free of charge on our website)	00432892
Setup JUMO dTRON 304/308/316 (plast)	00445443