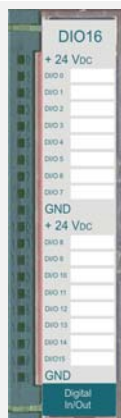


fred modulo DIO16



- **own processor unit**
- **short latency periods**
- **short-circuit protected outputs**
- **14 counter inputs 250 Hz**
- **2 counter inputs 500 KHz**
- **programmable I/O-face**

Technical data

numbers of digital I/O	16 (free configurable in- and outputs)
nominal value / power consumption	24 V _{DC} (18...30 V _{DC}), 2-4 W
galvanic coupling	no
digital inputs	
frequency	2 x 500 kHz, 14 x 250 Hz
over voltage	43 V
power dissipation	1,7 W
digital outputs	
output voltage	24V _{DC}
cumulativ current	max. 4 A (40° C), 3 A (60° C)
resistive load	5W
switch frequency ohm / inductively	0,5 Hz, 100 Hz
short-circuit -/thermal protection	current limiting 4 A, 150° C
polarity reversing protection	yes
line length	600 m (shielded) 1000 m (shielded)
dissipation	6,5 W
generally	
EMI-test	EN61000-6-2, EN61000-6-4
front panel	IP20
mounting	fixing on top hat rail DIN50022
dimension in mm (W x H x D)	35 x 127 x 142,7
weight	260 g
operating temperature	0° to 50°C
order no.:	
fred-DIO 16.1	20.31.000.04

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