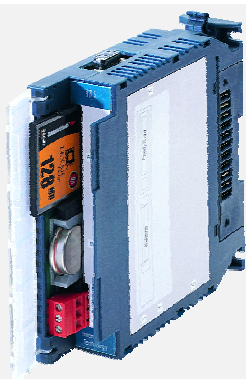


fred modulo IT1.2



- **10 MBaud Ethernet 10BaseT as program- / diagnostic- / data exchange- or remote interface onboard**
- **RS232 as program- / diagnostic - / data exchange- or remote interface over modem onboard**
- **file system on flash EPROM for HTML pages**

Technical Data

memory	2 MB RAM, 4 MB flash , 2 kByte EEprom	
memory expansion	fred CFC, 256 MB; compact flash card Typ 1 16 MB ... 512 MB	
processor	16 Bit Infineon XC16X	
data buffering	persistent data in the flash prom real-time clock and retain data in the battery-buffered RAM	
operating system	µE	
PLC programming	optional	IEC61131-3 / CoDeSys
interface	onboard	1 x Ethernet 10BaseT, 2 x RS (0:RS232, 1:RS422/485) 2 x CAN according to ISO11898 with galvanic coupling
fieldbus interface	onboard	COM-2 x RSxxx, COM-PB/DPS/DPM, COM-COS/COM
I/O interface	external	max. 64 modules or 1024 I/O
Ethernet TCP/IP-stack	HTTP Web Server, SMTP email, FTP filetransfer, TCP-Modbus	
mode switch	run / stop / reset	
output voltage	system bus supply of the output voltage 24 VDC, max. 4 A	
supply voltage	24 V _{DC} (18...30 V _{DC} , 4 W)	
front panel	IP20	
mounting	fixing on top hat rail DIN50022	
EMI-test	EN61000-6-2, EN61000-6-4	
protection rating	II according to VDE 0411	
safety class	IP20 according to DIN40050	
dimension in mm (W x H x D)	35 x 127 x 142,7	
weight	280 g	
operating temperature	0° to 50°C	
order no.:	fred-IT1.2/CS/ESB	
	20.20.010.00	

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