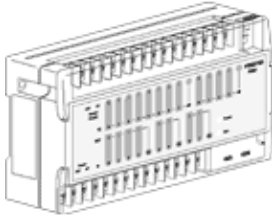# Controls
FEC-FC20-FST
Part number: 177428

FESTO

FEC compact 12 inputs / 8 relay outputs, 24 V DC, FST, in plastic
housing, with threaded connection, 2 serial interfaces.

Data sheet

Feature	Value
Authorisation	C-Tick
Operating voltage	24 VDC +25% / -15%
Current consumption	200 mA nominal at 24 V DC
Power supply cable length	10 m
Ambient temperature	0 ... 55 °C
Storage temperature	-25 ... 70 °C
Relative air humidity	95% non-condensing
Protection class	IP20
Safety class	II
Product weight	160 g
Test for insensitivity to vibration	EN 60068-2-6-FC 10-57 Hz 0,075 mm 57 - 150 Hz 1g
Test for insensitivity to shock	EN 60068-2-27 EA 15g, 11ms 2 shocks per direction
Run/Stop switch	Yes
Electrical connector technology, I/O	Screw connector
Status displays	LED
Digital inputs, number	12
Digital inputs, fast counting inputs	2, each with max. 2 kHz
Digital inputs, incremental encoder connection	Yes, max. 200 Hz
Digital inputs, input signal delay	5 ms typ.
Digital inputs, input voltage/current	24 VDC / 7 mA
Digital inputs, nominal value for True	>= 15 VDC
Digital inputs, nominal value for False	<= 5 VDC
Digital inputs, electrical isolation	Yes, via optocoupler
Digital inputs, status display	LED
Digital inputs, permissible connector cable length	30 m
Digital outputs, number	8
Digital outputs, contact	Relays
Digital outputs, output voltage	30 VDC, 250 VAC
Digital outputs, output current	5 A
Digital outputs, group current	3.2 A
Digital outputs, electrical isolation	Yes
Digital outputs, electrical isolation in groups	Yes, in groups of up to 4 or 2
Digital outputs, switching frequency	25 Hz
Digital outputs, switching cycles	100000
Digital outputs, status display	LED
Serial interface, number	2
Serial interface, connection technology	1x RJ11 / 1x RJ12 socket
Serial interface, used as RS 232C	RJ11 yes / RJ12 SM14 or SM15 required

Feature	Value
Serial interface, COM / EXT attributes	RS 232c, electrical isolation / TTL, no electrical isolation
Serial interface, used as universal interface: EXT	300...115000 Bd 7N1, 7E1, 7O1, 8N1, 8E1, 8O1
Programming, language	AWL, KOP
Programming, operating language	DE, EN
Programming, number of programs and tasks per project	64
Programming, number of registers (words)	256
Programming, number of markers	10000
Programming, number of timers (status, actual value, setpoint)	256
Programming, number of counters (status, actual value, setpoint)	256
Programming, support for C/C++	Yes
Programming, file handling support	Yes