

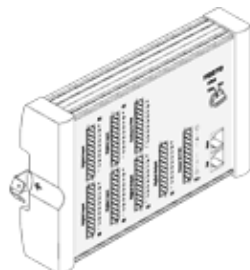
# Controls

## FEC-FC620-FST

Part number: 197154

FESTO

FEC standard, 32 inputs / 16 transistor outputs, 3/1 analogue I/Os, 24 V DC, FST, in aluminium housing, plug-in connectors, 2 serial interfaces, all terminals accessible from the front.



## Data sheet

Feature	Value
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	III
Product weight	490 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	Tension-spring system
Status displays	LED
Digital inputs, number	32
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 / 5 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 optionally in the plug
Digital inputs, permissible connector cable length	30 m
Analogue inputs, number	3
Analogue inputs, resolution	12 bit
Analogue inputs, signal range	0 ... 20 mA
Analogue inputs, conversion time	10 ms typ.
Analogue inputs, permissible connector cable length	30 m, 10 m supply
Digital outputs, number	16
Digital outputs, contact	Transistor
Digital outputs, output voltage	24 VDC
Digital outputs, output current	400 mA
Digital outputs, group current	3.2 A
Digital outputs, electrical isolation	Yes, via optocoupler
Digital outputs, electrical isolation in groups	Yes, in groups of up to 8
Digital outputs, switching frequency	max. 1 kHz
Digital outputs, short-circuit proof	Yes

<b>Feature</b>	<b>Value</b>
Digital outputs, overload proof	Yes
Digital outputs, resistant to low-resistance loads	Yes, up to 5 W
Digital outputs, status display	LED optionally in the plug
Analogue outputs, number	1
Analogue outputs, resolution	12 bit
Analogue outputs, max. load resistance	600 Ohm
Analogue outputs, signal range	0 ... 20 mA
Analogue outputs, conversion time	10 ms typ.
Analogue outputs, absolute accuracy at 0 to +55° C	± 0,6%
Analogue outputs, absolute accuracy at 25° C	± 0,4%
Analogue outputs, linearity error at 25° C	± 0,4%
Analogue outputs, repetition accuracy at 25° C	± 0,1%
Serial interface, number	2
Serial interface, connection technology	2x RJ12 socket
Serial interface, used as RS 232C	SM14 or SM15 required
Serial interface, COM / EXT attributes	TTL level, no electrical isolation
Serial interface, used as universal interface: EXT	300...115000 Bd 7N1, 7E1, 7O1, 8N1, 8E1, 8O1
SAC plug, required number of plugs	8
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
Authorisation	C-Tick