

SIMATIC DP, DISTRIBUTED I/O ET200X: EM148-FC, FREQUENCY CONVERTER, 750W, INTEGR. NETWORK FILTER, CONNECTION TO DESINA, IP65

### General information

#### Protection function

• Undervoltage protection	Yes
• Overvoltage protection	Yes
• Ground-fault protection	Yes
• Short-circuit protection	Yes
• Stall protection	Yes
• Temperature monitor for motor	Yes
• Temperature monitor for converter	Yes

### Supply voltage

#### Input voltage acc. to VDE

• permissible range, lower limit (AC)	380 V
• permissible range, upper limit (AC)	500 V

#### Line frequency

• permissible range, lower limit	47 Hz
• permissible range, upper limit	63 Hz

### Power

Efficiency	97 %
------------	------

### Interrupts/diagnostics/status information

Diagnostic functions	Yes
----------------------	-----

#### Alarms

• Diagnostic alarm	Yes
--------------------	-----

### Drive technology

Motor output, cable length max.	10 m
Overload capability	150 %; for 60 s, relative to rated current
Output frequency, min.	0 Hz
Output frequency, max.	400 Hz
Output frequency, resolution	0.01 Hz

#### Control/mode

• V/f characteristic	Yes
• four quadrants	Yes

### Motor

Power factor (cos phi), min.	0.7
------------------------------	-----

Motor brake	400 V AC / 1 A
<b>Rated motor power at 3 x 400 V AC</b>	
• acc. to VDE, max.	0.75 kW
<b>Potential separation</b>	
between the load voltages	Yes
between load voltage and all other switching components	Yes
<b>Dimensions</b>	
Width	120 mm
Height	265 mm
Depth	181 mm
<b>Weights</b>	
Weight, approx.	3 000 g
<b>last modified:</b>	08/12/2017