

TST FU3F-AH / TST FU3F-CH / TST FU3F-FH

3-Phase Door Control Unit with Integrated Frequency Converter

2.2 kW / 4.0 kW / 5.0 kW for all door types

The FEIG TST FU3F series is a high-performance door control unit with integrated frequency converter, designed for reliable control of industrial and commercial door systems. Available in 2.2 kW, 4.0 kW and 5.0 kW variants, it combines robust motor control, advanced safety monitoring, and flexible expansion for demanding applications.

- ✓ In large plastic housing (IP65) or as board available
- ✓ Electronics on change frame for variable mounting in various housings
- ✓ Easy installation by constant connection diagram (Plug & Play)
- ✓ 2 slots for radio and loop detector
- ✓ Safe 24 V brake control with monitoring according to EN 13849
- ✓ Suitable for all door types
- ✓ Operation of AC motors up to 5 kW



FREQUENCY CONTROL
Smooth variable-speed motor control



PLUG & PLAY
Simple installation and commissioning



SAFETY MONITORING
24 V brake monitoring to EN 13849



EXPANSION READY
Slots for radio and loop detector modules

APPLICATIONS



Sectional doors
Industrial and commercial doors



Roller shutters
Reliable door movement control



High-speed doors
Precise frequency-converter operation



Loading bays / access doors
Flexible door automation

IN USE



TECHNICAL SPECIFICATIONS

Housing	Plastic
Dimensions (W x H x D)	210 x 420 x 200 mm
Power supply	3~ 200-480 VAC $\pm 10\%$ / 50-60 Hz
Operating frequencies	6-200 Hz
Control voltage	24 VDC, safe
Supply external devices	24 VDC $\pm 5\%$ / 3.5 A, short-circuit-proof
Temperature range	Operation -20°C to +50°C; Storage -20°C to +70°C
Humidity	Up to 95%, not condensing
Noise emission	< 20 dB(A)
Protection type	IP65 (in housing)
Protection class	Class I
Weight	Approx. 5 kg

OUTPUT / MOTOR RANGE

TST FU3F-AH	2.2 kW / 5 A
TST FU3F-APR	2.2 kW / 5 A, board on change frame
TST FU3F-CH	4.0 kW / 10 A
TST FU3F-CPR	4.0 kW / 10 A, board on change frame
TST FU3F-FH	5.0 kW / 12 A
TST FU3F-FPR	5.0 kW / 12 A, board on change frame

ADDITIONAL FEATURES

- 2 integrated control electronics for several safety edges
- USB interface for service purposes
- Connection for I/O extension board
- Connection for interface board TST RFUFxCOM
- Mechanical or electrical limit switch operation
- Colored plug-in terminals for all control functions
- Up to 20 (+6) digital inputs and 3 (+6) relay outputs
- Optimized operation of WiCAB radio safety system
- PC toolbox for advanced configuration and diagnosis

ORDER INFORMATION

PART NUMBER	DESCRIPTION
TST FU3F-AH	3-phase door control unit, 2.2 kW, in housing (IP65)
TST FU3F-APR	3-phase door control unit, 2.2 kW, board on change frame
TST FU3F-CH	3-phase door control unit, 4.0 kW, in housing (IP65)
TST FU3F-CPR	3-phase door control unit, 4.0 kW, board on change frame
TST FU3F-FH	3-phase door control unit, 5.0 kW, in housing (IP65)
TST FU3F-FPR	3-phase door control unit, 5.0 kW, board on change frame

PRODUCT VIEW

