

TST FUZ2-B line

DOOR CONTROLLER WITH FREQUENCY INVERTER

- Premium technology from FEIG
- Smooth start and braking ensures maximum material protection and a long product life cycle
- Convenient commissioning thanks to:
 - Plug-in coloured terminals
 - Cable entries for pre-assembled cables
 - Automatic teach-in mechanisms
- Flexible door functionality thanks to comprehensive parameterisation system



Door Controller with Frequency Inverter

With cutting-edge frequency inverter technology, FEIG offers the ideal control technology for sectional and rolling shutter doors, sliding gates and barriers.

The wide range of enclosures offers sufficient space for cabling and also for the installation of additional devices for a wide variety of applications.

The flexible parameterisation of inputs and outputs, as well as the numerous expansion cards, provide solutions for the entire range of applications. The application examples available online assist in the implementation of complex applications.

All FEIG components comply with current safety standards, which are regularly certified by external testing agencies.

Additional features:

- > Protection class IP54 to IP66
- > 0.75 kW power
- > 9 different enclosure variants
- > Compliant with DIN EN 12453
- > 10 digital, programmable inputs
- > 3 programmable outputs (2 relays, 1 digital output)
- > 2 inputs for safety edges and 2 inputs for emergency stop
- > Extensive diagnostic options
- > Integrated 500 mA 24 VDC power supply
- > Slots for various add-on modules
 - I/O expansion modules
 - Induction loop detector
 - Interface modules



made
in
Germany

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Technical Data

Supply voltage via L, N, PE	230 VAC $\pm 10\%$, 50 ... 60 Hz Permitted range 110 ... 240 V $\pm 10\%$, 50 ... 60 Hz Fuse protection: 16 A K characteristic
Control voltage / external supply 2	24 VDC regulated ($\pm 10\%$ at nominal voltage 230 V) Controller variant: max. 500 mA Including optional plug-in modules, protected by self-resetting semiconductor fuse, short-circuit proof due to central switching regulator
Drive output	For drives up to 0.75 kW at 230 V Continuous motor current at 100% duty cycle and 40 °C ambient temperature: 3 A Motor current at 40% duty cycle and 50 °C ambient temperature: 5 A Max. length of motor cable: 30 m Overload capacity for 0.5 s: 16 A
Control inputs Inputs 1 – 10	24 VDC / typ. 15 mA, max. 26 VDC / 20 mA All inputs must be connected potential-free or: < 2 V: inactive \rightarrow logical 0 > 10.5 V: active \rightarrow logical 1 Min. signal duration for input control commands: > 100 ms Galvanic isolation via optocoupler on the circuit board
Control outputs Relays K1 and K2 Digital output OUT15	Changeover contact potential-free min. 10 mA / max. 230 VAC / 3A 24 VDC / min. 10 mA / max. 120 mA
Temperature range Operation	-20 °C to +50 °C (in plastic housing) -20 °C to +40 °C (in steel and stainless steel housing)
Relative humidity	to 95% (non-condensing)
Noise emission	< 20 dB (A)
Weight	Approx. 5 kg (plastic housing) Max. 24 kg (steel housing 600 mm x 600 mm incl. controller)
Protection class	I
Compliant with standards	EN 60335-1 / EN 60335-2-103

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Variants	TST FUZ2-B	TST FUZ2-BGH
Material	Plastic	Plastic
Dimensions (w x h x d)*	182 mm x 328 mm x 102 mm	210 mm x 430 mm x 200 mm
Protection class	IP54	IP65
Article number	4153.000.00	On request



Variants	TST FUZ2-BSGH	TST FUZ2-BSGGNH	TST FUZ2-BSXGNH
Material	Steel	Steel	Steel
Dimensions (w x h x d)*	300 mm x 476 mm x 218 mm	400 mm x 676 mm x 218 mm	600 mm x 676 mm x 218 mm
Protection class	IP65	IP65	IP65
Article number	On request	On request	On request

* Enclosure dimensions without mounting feet, main switch and cable entries.



Variants	TST FUZ2-BEGH	TST FUZ2-BEGGNH	TST FUZ2-BHZNH	TST FUZ2-BHYNH
Material	Stainless steel V2A	Stainless steel V2A	Special housing	Special housing
Dimensions (w x h x d)*	300 mm x 476 mm x 218 mm	400 mm x 676 mm x 218 mm	300 mm x 540 mm x 210 mm	390 mm x 430 mm 210 mm
Protection class	IP65	IP65	IP66	IP66
Article number	On request	On request	On request	On request