

TRICON

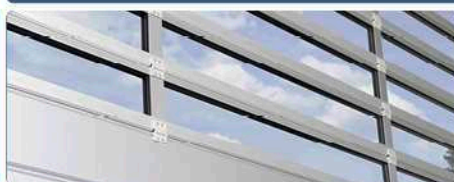
TST FUZ-A

Door control unit with integrated frequency converter



FEATURES

- Smooth starting and braking offers maximum material protection and a long product life cycle
- Fast startup speeds processes and reduces waiting times
- Easy installation due to extensive pre-settings for standard door systems and self-learning automatic configuration
- Model inspected safety conception
- Slot for radio receiver module
- Operation of three phase AC motors up to 0.75 kW





TECHNICAL DATA

Order description	TST FUZ-A
Dimensions (W x H x D)	180 x 320 x 110 mm
Housing	Plastic
Power supply	1~110-240 V _{AC} +/-10% / 50-60 Hz
Motor	3~ asynchronous motors up to 0.75 kW @ 230 V / 5 A; with high overload resistance for doors
Operation frequencies	6-200 Hz (separate adjustable frequency ramps for all door operating modes)
Control voltage / Low voltage supply	24 V _{DC} , safe 24 V _{DC} +/-5% / 250 mA short-circuit-proof
Temperature range	-10°C up to 50°C

ADDITIONAL FUNCTIONALITY

- Voltage range 1~ 110 V_{AC}...240 V_{AC} +/-10%
- Conformity to latest standards (TÜV, CE)
- 24 V safety low voltage according to EN 60335-1
- ESD resistance up to 25 kV
- Integrated control electronic for several safety edges (1k2 / 8k2 and optical systems)
- Plug in socket for 2-channel radio
- Mechanical limit switch operation
- Incl. CEE plug as main switch
- Plug in terminals for main control functions
- Up to 14 digital inputs and 2 relay outputs are factory adjusted for standard applications – various special functions can be adjusted by parameter:
Funktionalität, operation mode, contact, warning- and hold open time, direction, diagnostic texts for plaintext display,...

STANDARD CONFORMITY

Doors	EN 12453 / EN 12978
Voltage	EN 60335 / EN 60335-1
EMC	EN 50081 / EN 50082

APPROVAL

TÜV Baumusterprüfung

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
Stand of information: January 2012.

Assembly TST FUZ-A:

4-times 7-segment

- User interface
- Diagnostic, status information
- Parameter adjustment
- Service, cycle counter
- Fault memory

Positioning by

- Mechanical limit-switches
- Absolute encoder

Integrated safety edge evaluation

- Resistor systems
- Optic-dynamical edges
- Electrical edges
- Pneumatical edge incl. test



Motor up to 0.75 kW at 230 V
(U, V, W)

Power supply for external devices

- line, fused on board
- 24 V safety low voltage
(up to 250 mA, short-circuit-proof)

2x Relay

- (potential free changeover contact)
- Position status
 - Warning light / traffic lights
 - Fault
 - Door lock
 - Light control
 - ...

Power supply
110...240 V AC
(L, N, PE)

24 V-Eingänge 1...9

- Adjustable by parameters, e.g.:
- Ext. Open-, Stop-, Close commands
 - Light barriers
 - Additional safety commands
 - One channel, input series
 - Cross traffic control
 - Door lock
 - Dead man / automatic operation
 - Mechanical limit-switches
 - ...