

TECTUS

TE 540 3D Energy Kit

With integrated and continuous energy transfer for flush commercial doors



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|-------|-----------------|-------------------------|
| Hinge | energy transfer | up to 120 kg (264 lbs.) |
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Product Features

- Multiple connection adapter options
- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- Easily adjustable in three dimensions (side +/- 3.0 mm (0.118"), height +/- 3.0 mm (0.118"), compression +/- 1.0 mm (0.039"))
- Maintenance-free slide bearings
- UL listed for 20 minute fire door

The specification text can be downloaded from the PRODUCTSELECTOR at www.simonswerk-usa.com.

Technical Data

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|---------------------------------|--|
| Load capacity | 120 kg (264 lbs.) |
| Length | 200 mm (7.874") |
| Width (door) | 32 mm (1.260") |
| Width (frame) | 32 mm (1.260") |
| Router bit/collar Ø | 3/4" / 1" |
| No. of wires/Wire cross section | 16/0.14 mm² |
| Max. voltage | 50 V (for voltages of 24 V or higher only with safeguarded power supply) |
| Max. current | 0.8 A (per wire) |

Finishes

satin chrome look (F1) (124), stainless steel look (SSL) (126), other finishes available upon request

Combinations

| | | |
|------------------------|------------------|---------------------------|
| Receiver/Reinforcement | Commercial frame | Frame mounted |
| | Casing frame | TE 540 3D FZ |
| | Steel frame | TE 540 3D SZ |
| | Steel door | TE 540 3D ST |
| | Aluminum frame | Specified by manufacturer |

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|-------------|----------------------------|
| Accessories | Round Cable 10m (393.701") |
| | Custom Adapter |

Installation Tools (in addition to templates for standard versions)

| | | |
|---------------------|------------------|----------------|
| Routing for raceway | routing template | No. 5 251082 5 |
|---------------------|------------------|----------------|

Application Range

Fire Resistant, Smoke Resistant, Soundproof, Forced Entry Resistant

Note

The load capacity mentioned above refers to the use of 2 hinges per door leaf with a height/width ratio of 2:1 (see page 46 for further detail).
 For a minimum door panel thickness of 40 mm (1-5/8").
 For fire rated doors: Check with door manufacturer regarding the usage of additional required intumescent material.
 Square-corner cover plates are available upon request – see page 34.
 Kit includes two 3 m (118.110") round cables.

