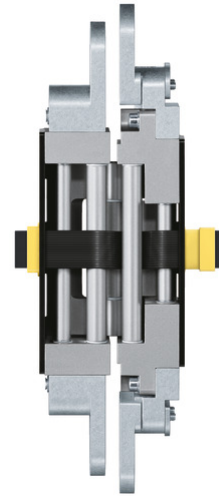


TE 645 3D Energy

with permanent energy transfer for unrebated high performance heavy-duty doors



Product features

- with permanent energy transfer
- individual connection adapter options
- completely concealed hinge system
- for timber, steel or aluminium frames
- for unrebated high performance heavy-duty doors
- comfortable 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.0 mm)
- maintenance-free slide bearings

Technical data

Property	Value
Load capacity	300.0 kg
Width (door part)	34.0 mm
Length (door part)	260.0 mm
Width (frame part)	36.0 mm
Length (frame part)	280.0 mm
Min. door thickness	43.0 mm
Cutter diameter	24.0 mm
Collar ring diameter	30.0 mm
Opening angle	180°

Quality marks



CE certification



IFT certification

Classification code

EN 1935 / EAD

4	7	7	1 ^{*1}	1	— ^{*2}	1	14
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^{*1} Test evidence for functional doors to be achieved with full door sets and assemblies.

^{*2} depending on the finish

TECTUS - TE 645 3D Energy

Wire cross section	0.14 mm ²
Max. voltage	50 V
No of wires	16
Max. current	0.8 A

Notes

The load capacity mentioned above refers to two hinges per door leaf (1 x 2 m). Also the load capacities of the respective combined receiver have to be taken into consideration. For detailed information please look at the chapter [technical information](#).

Application on steel frames is subject to special frame facings.

When ordering the accessories please consider: There are two connection adapters TECTUS Energy needed per hinge. A connection plan can be downloaded.

With an opening position of 180° the door may have to be fixed additionally.

The suitability for fire doors depends on the door construction.

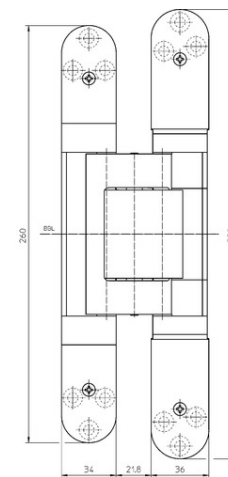
Installation tools

Universal milling frame
long

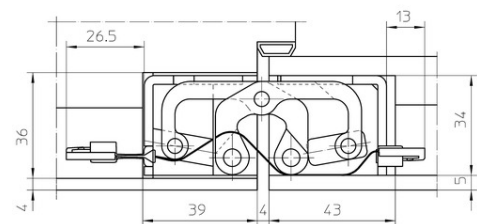
Template 5 250939 5	additional routing Energy
Template 5 250945 5	frame, step 1
Template 5 250946 5	frame, step 2
Template 5 250947 5	door, step 1
Template 5 250948 5	door, step 2

Combinations

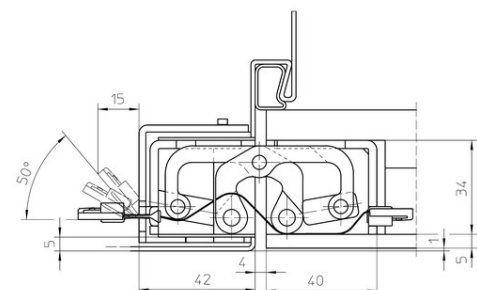
TE 645 3D SZ
TE 645 3D ST
Adapter 1 TECTUS Energy
Universal adapter TECTUS Energy
Round cable 3m TECTUS Energy



front view



block frame



steel frame

TECTUS - TE 645 3D Energy

Round cable 10m TECTUS Energy
Adapter set 20 TECTUS Energy
Adapter set 21 TECTUS Energy

Function range

burglar
resistance



fire resistance



smoke
resistance



soundproof

Item versions

Finish	Satin Chrome Look (F1) (SW 124)
VPE	pack of 1
DIN	DIN right and left hand
ITEM NO.	5 400664 0 12401
ITEM NO. (SAP)	500003877
EAN	4015471118105
Finish	Stainless Steel Look (SSL) (SW 126)
VPE	pack of 1
DIN	DIN right and left hand
ITEM NO.	5 400664 0 12601
ITEM NO. (SAP)	500003878
EAN	4015471118112