

TEK



P1813

Description

TEK installation trunking range, made of cadmium-free and lead-free PVC, is available in three sizes. TEK is intended for wall surface mounting or for mounting on brackets.

Cable shelves can be used to divide the trunking into compartments, for separation of power and low voltage cables.

TEK is designed mainly for installation at mid-wall (window-sill) or skirting level but is also suitable as feeder trunking.

TEK is easy to cut, has a high gloss value which makes cleaning easy, has a high UV stability value and is easy to install.

TEK can be equipped with service content type CYB. Boxes, outlets and accessories are snap-fitted into the front opening (F80®).

Compatibility with trunking accessories such as front cover FCA-F80, TTI cable shelves and joint cover pieces, TTA brackets.

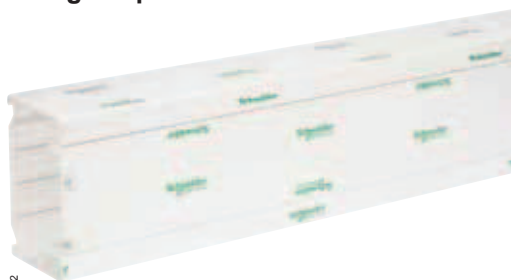
Benefits

- High-gloss surface – easy to keep clean
- High UV-stability – counteracts colour changes
- Environment-friendly – lead and cadmium-free PVC
- Can be fitted with a front mantle to hide and protect the connections and flexes and to reduce the electrical fields
- Protection foil until final installation has been made
- Wide range of components, accessories and outlets
- Snap-in functions – easy to install
- Hole pattern in the trunking back – easy direct mounting on the wall



P4810





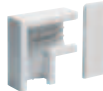

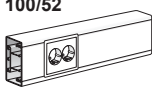
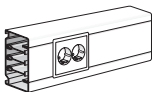
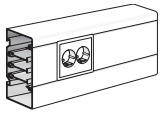
Design of protective foil



P104862




P3123

Product Range, type TEK							
In the matrix: Type Art. No. Material/Finish	 P61409	 P61885	 P63681 P61414	 P63682 P61419	 P61422	 P61413	
TEK-	Trunking base	Front cover	Internal corner	External corner	Bend, 90°	T-piece	
L38980 100/52 	TEK-U100 5522 020 WN 5522 029 WR TEK-UH100* 5522 010 WN	FCA-F80 5580 080 AN 5580 089 AO 5580 060 WN 5580 069 WR	TEK-IH100 5576 101 WN 5576 109 WR TEK-IHH100* 5576 100 WN Adjustable TTI-IH100 5589 150 WN 5589 151 WR	TEK-YH100 5576 111 WN TEK-YHH100* 5576 110 WN Adjustable TTI-YH100 5589 500 WN 5589 501 WR	TEK-LS100 5576 121 WN 5576 129 WR TEK-LSH100* 5576 120 WN	TEK-TS100 5576 131 WN 5576 139 WR TEK-TSH100* 5576 130 WN	
L38950 123/72 	TEK-U123 5526 010 WN 5526 019 WR	FCA-F80 5580 080 AN 5580 089 AO 5580 060 WN 5580 069 WR	TEK-IH123 5526 510 WN 5526 519 WR Adjustable TTI-IH123 5589 170 WN 5589 171 WR	TEK-YH123 5526 520 WN 5526 529 WR Adjustable TTI-YH123 5589 520 WN 5589 521 WR	TEK-LS123 5526 530 WN 5526 539 WR	TEK-TS123 5576 340 WN 5576 349 WR	
L38970 161-3/72 	TEK-U161-3 5532 020 WN 5532 021 WR		TEK-IH161-3 5532 600 WN 5532 601 WR	TEK-YH161-3 5532 610 WN 5532 611 WR	TEK-LSU161-3 5532 620 WN ↑ 5532 621 WR ↑ TEK-LSN161-3 5532 630 WN ↓ 5532 631 WR ↓	TEK-TSU161-3 5532 640 WN ↑ 5532 641 WR ↑ TEK-TSN161-3 5532 650 WN ↓ 5532 651 WR ↓	

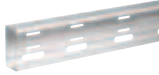


* With pre-punched back-side for cable entry.

AN= Aluminium, Natural anodized
 AO= Aluminium, Optional powder coated
 AW= Aluminium, White powder coated
 WN= White NCS
 WR= White RAL
 GR= Grey








← = Left hand
 → = Right hand
 ↑ = Up, riser
 ↓ = Down, dropper

 P61424	 P61896	 P61429 P61428	 P61404 P61405	 P61938 P61514	 P61513	 P61515
Stop end	Joint cover	Wall collar	Cable shelf	Cable clip	Joining piece	Support. piece
TEK-ES100 5591 100 WN 5591 109 WR	TTI-US100 5590 002 AW 5590 003 AW	TTI-R2 100 5590 720 WN 5590 729 WR TTI-CR100 5594 510 WR 5594 511 WN	TTI-KH252 5590 322	TTI-KL52 5590 346		
TTI-ES123 5590 232 WN 5590 237 WR 5590 238 WN	TTI-US123 5590 036 AW 5590 040 AW 5900 041 AW 5590 039 AO	TTI-CR123 5594 576 WN 5594 575 WR TTI-R2 123 5590 740 WN	TTI-KH72 5590 314 TTI-KH272 5590 319	TTI-KHK 5590 340	TTI-JP123 5590 115	
TEK-ES161-3 5532 665 WN 5532 666 WR	TTI-US161-3 5590 075 AW 5590 071 AW 5590 073 AO	TTI-CR161 5594 616 WN 5594 615 WR TTI-R2 161 5590 760 WN	TTI-KH72 5590 314 TTI-KH272 5590 319	TTI-KHK 5590 340	TTI-JP123 5590 115	TEK-K161-3 5590 341

Length material

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Ref. No.		
Trunking base							
Trunking base with F80® front opening. Can be divided into compartments by means of cable shelves. To be used as perimeter trunking, mounted direct onto the wall or on brackets. Also suitable as feeder trunking. Four support pieces included in each length of TEK-/161-3. Compatible with FCA-F80, MIB boxes, TTI cable shelves for 52 and 72 mm deep trunking, TTA brackets. Material: PVC.							
P61408		TEK-U100	White RAL 9010 White NCS	100/52/2500	4	7315880021780 7315885522022	5522 029 5522 020
		TEK-UH100	White NCS	100/52/2550	4	7315885522015	5522 010
		With pre-punched holes in the back					
P61409		TEK-U123	White RAL 9010 White NCS	123/72/2500	4	7315880006121 7315885526013	5526 019 5526 010
P61410		TEK-U161-3	White RAL 9010 White NCS	161/72/2500	4	7315880035145 7315885532021	5532 021 5532 020

Corner sections

Internal corners							
Internal corner with F80® front opening. Can be divided into compartments by means of cable shelves. TEK-IHH100 has pre-punched holes for cable passage. Material: PVC.							
P61420		TEK-IH100	White RAL 9010 White NCS	100/200/200	1	7315880021902 7315880066701	5576 109 5576 101
		TEK-IHH100	White NCS	100/200/200	1	7315885576100	5576 100
With pre-punched holes in the back							
P61414		TEK-IH123	White RAL 9010 White NCS	123/200/200	1	7315880006152 7315885526518	5526 519 5526 510
P61411		TEK-IH161-3	White RAL 9010 White NCS	161/200/200	1	7315880035169 7315885532601	5532 601 5532 600
Internal corner, adjustable, type TTI							
Open internal corner that covers the opening between two trunking lengths installed in an angle to one another. The corner section is made up by two parts which can be moved against one another to create the required angle. Angle adjustment 90–135°. Degree of protection: IP40, provided that the trunking system is mounted direct on the wall. For TTI-IH123, covering plate TTI-BP can be used to reach IP20 when the system is mounted on brackets. Material: PC/ABS.							
P63861		TTI-IH100	White RAL 9016 White RAL 9010	100/52/140	1	7315885589155 7315880106050	5589 150 5589 151
		TTI-IH123	White RAL 9016 White RAL 9010	123/72/145	1	7315885589179 7315880106074	5589 170 5589 171
External corner kits							
External corner with F80® front opening. Can be divided into compartments by means of cable shelves. TEK-IHH100 has pre-punched holes for cable passage. Supplied with front piece. Material: PVC.							
P61417		TEK-YH100	White NCS	100/200/200	1	7315880006718	5576 111
		TEK-YHH100	White NCS	100/200/200	1	7315885576117	5576 110
With pre-punched holes in the back							
P61419		TEK-YH123	White RAL 9010 White NCS	123/200/200	1	7315880006183 7315885526525	5526 529 5526 520
P61418		TEK-YH161-3	White RAL 9010 White NCS	161/200/200	1	7315880035190 7315885532618	5532 611 5532 610

Corner sections

P63662



Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Ref. No.
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External corner, adjustable, type TTI

Open external corner that covers the opening between two trunking lengths installed in an angle to one another. The corner section is made up by two parts which can be moved against one another to create the required angle. Angle adjustment 85–135°.

Degree of protection: IP40, provided that the trunking system is mounted direct on the wall. For TTY-IH123, covering plate TTI-BP can be used to reach IP20 when the system is mounted on brackets.

Material: PC/ABS.

TTI-YH100	White RAL 9016	100/52/110	1	7315885589506	5589 500
	White RAL 9010			7315880106098	5589 501
TTI-YH123	White RAL 9016	123/72/145	1	7315885589520	5589 520
	White RAL 9010			7315880106111	5589 521

Covering plate type TTI

Covering plate for internal and external corners TTI-IH/YH123. The covering plate is snapped into the trunking length and covers the opening behind internal and external corners. By using this plate, IP20 degree of protection will be reached when the trunking is mounted on brackets. Suitable for installation trunking size 123x72.

Material: PE.

TTI-BP	White	112/35/250	1	7315885586024	5586 025
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Bends

P61421



Bend kit, 90°

90° bend with F80® front opening. Can be divided into compartments by means of cable shelves. TEK-LSH100 has pre-punched holes for cable passage. Supplied with 225 mm front piece.

Material: PVC.

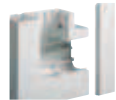
TEK-LS100	White RAL 9010	200/52/200	1	7315880021940	5576 129
	White NCS			7315880006725	5576 121
TEK-LSH100	White NCS	200/52/200	1	7315885576124	5576 120

P61422



TEK-LS123	White RAL 9010	200/72/200	1	7315880006213	5526 539
	White NCS			7315885526532	5526 530

P61416



TEK-LSU161-3	White RAL 9010	200/72/200	1	7315880035220	5532 621
	White NCS			7315885532625	5532 620
TEK-LSN161-3	White RAL 9010	200/72/200	1	7315880035251	5532 631
	White NCS			7315885532632	5532 630

T-piece, kit

T-piece with F80® front opening. Can be divided into compartments by means of cable shelves. TEK-TSH100 has pre-punched holes for cable passage. Supplied with 225 mm front piece.

Material: PVC.

TEK-TS100	White RAL 9010	250/52/400	1	7315880021964	5576 139
	White NCS			7315880006732	5576 131
TEK-TSH100	White NCS	250/52/400	1	7315885576131	5576 130

P61412



P61413



TEK-TS123	White RAL 9010	200/72/280	1	7315880006756	5576 349
	White NCS			7315885576346	5576 340

P61415



TEK-TSU161-3	White RAL 9010	260/72/360	1	7315880035292	5532 641
	White NCS			7315885532649	5532 640
TEK-TSN161-3	White RAL 9010	260/72/360	1	7315880035312	5532 651
	White NCS			7315885532656	5532 650

Stop ends

P61425



Stop ends type TEK and TTI

Stop end for snap-fitting on the trunking end. Both for left-hand and right-hand mounting.

Material: ABS.

TEK-ES100	White RAL 9010	100/29/52	1	7315880022183	5591 109
	White NCS			7315885591103	5591 100




P61424








TTI-ES123	White RAL 9010	123/—/72	1	7315880011354	5590 237
	White NCS			7315880011323	5590 232

TEK-ES161-3	White RAL 9010	161/21/72	1	7315880060888	5532 666
	White NCS			7315880060871	5532 665

Front covers type FCA

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Ref. No.	
Aluminium Front covers						
Front cover for service carriers with 40 and 80 mm front opening respectively. Material: Aluminium, natural anodized or powder coated.						
P61884 	FCA-F80	White NCS	80/13/2500	8	7315880006930	5580 088
PVC Front covers						
Front cover for service carriers with 80 mm front opening. Material: PVC.						
P61885 	FCA-F80	White NCS White RAL 9010	80/13/2500	8	7315885580060 7315880006909	5580 060 5580 069
Front cover brace						
Front cover brace for front cover F80. Used to maintain correct front cover retention in cases of heavy cable loads. Material: Steel, electroplated.						
P61521 	FCA-B80	—	10/14/81	10	7315885580916	5580 900

Wall brackets with accessories type TTA

Adjustable wall brackets						
Adjustable wall bracket for wall-mounting of trunking. Suitable for use together with ventilation-rib holder kit TTA-GH1 or rib holder TTA-GH6. Material: Steel, unpainted/Aluminium.						
P61880 	TTA-TN50	Adjustable 50–70	121/67/50	10	7315885583573	5583 570
	TTA-TN70	Adjustable 70–110	121/67/70	10	7315880095118	5583 572
	TTA-TN110	Adjustable 110–170	121/67/110	10	7315880095125	5583 574
	TTA-TN160	Adjustable 160–260	180/67/160	10	7315880095132	5583 576
P111360 	TTA-KVS60A	Adjustable 30–60	77/30/28	10	7315885583603	5583 608
Fixed wall bracket						
Fixed wall bracket for wall-mounting of trunking. Material: Aluminium, untreated.						
P138316 	TTA-KV15	—	113/23/28	10	7315885583016	5583 010
P138317 	TTA-KV35	—	130/43/28	10	7315880010241	5583 014
Fixed wall bracket with integrated rib holder						
Fixed wall bracket with integrated rib holder, for wall-mounting of trunking. The integrated rib holder is suitable for ventilation rib TTA-G10. Material: Aluminium, untreated.						
P61384 	TTA-KV35-1	—	130/43/28	10	7315880010258	5583 016
	TTA-KV56-2	—	130/64/28	10	7315880010265	5583 018
	TTA-KV79-3	—	130/86/28	10	7315885583023	5583 020
	TTA-KV101-4	—	132/109/28	10	7315880010272	5583 022
	TTA-KV123-5	—	132/131/28	10	7315880010289	5583 024
	TTA-KV146-6	—	130/153/28	10	7315880010296	5583 026

Wall brackets with accessories type TTA

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Ref. No.
Fixed wall bracket with loose rib holder					
Fixed wall bracket including loose plastic rib holder TTA-GH1 with steel clamp, for wall-mounting of trunking. The loose rib holder is suitable for ventilation ribs TTA-G10 and TTA-G3. Material: Aluminium, untreated, PC/ABS.					
TTA-KV35	—	132/43/28	10	7315885583030	5583 034
TTA-KV56	—	132/64/28	10	7315880029915	5583 036
TTA-KV79	—	132/86/28	10	7315880029922	5583 038
TTA-KV101	—	132/109/28	10	7315885583047	5583 040
TTA-KV123	—	132/131/28	10	7315880029939	5583 042
TTA-KV146	—	132/153/28	10	7315880029946	5583 044
Ventilation-rib holder					
Rib holder to fix ventilation ribs G3 and G10 on the wall brackets. Suitable for TTA-TN, TTA-KV and TTA-KVS. Material: PC/ABS.					
TTA-GH6	Grey	15/120/34	10	7315880030034	5590 453
Ventilation-rib holder, kit					
Kit including 10 plastic rib holders and 10 steel clamps, to be used to fix ventilation ribs G3 and G10 on the wall brackets. Suitable for TTA-BT, TTA-TN, TTA-WG, TTA-KV and TTA-KVS. Material: PC/ABS (rib holder), steel (clamp).					
TTA-GH1	Grey	15/120/34	1	7315880079873	5590 456
Ventilation rib					
Ventilation rib to be used together with wall bracket for trunking and ventilation-rib holder. Material: Aluminium, natural anodized or powder coated.					
TTA-G3	White NCS White RAL 9010	20/3/2500	40	7315880028949 7315880031987	5590 481 5590 482
TTA-G10	White RAL 9010 White NCS	20/10/2500	16	7315880031956 7315880011842	5590 424 5590 431
Joining piece					
Joining piece to be used for jointing of ventilation ribs. Material: Aluminium, untreated.					
TTA-GS3	—	9/6/30	10	7315880028956	5590 486
TTA-GS10	—	13/10/100	8	7315885590441	5590 440
Washer					
Washer to be used between bracket and wall or trunking and wall, to compensate for uneven walls. Material: PP.					
TTA-KM3	Grey	114/3/38	10	7315885583405	5583 408
TTA-KM5	Grey	114/5/38	10	7315885583412	5583 410

Cable shelves type TTI



Single cable shelf					
Single cable shelf to be used to divide the trunking into compartments, for the separation of cables. Material: PVC.					
TTI-KH52	White	10/46/500	50	7315885590311	5590 310
For 52 mm deep trunking					
TTI-KH72	White	12/62/500	50	7315880011583	5590 314
For 72 mm deep trunking					

Cable shelves type TTI

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Ref. No.
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Double cable shelf

Double cable shelf to be used to divide the trunking into compartments, for the separation of cables.
Material: PVC or PC/ABS, see below.

P61404		TTI-KH272	White PVC	64/59/500	20	7315880071341	5590 319
		For 72 mm deep trunking					
P62067		TTI-KH252	White PVC	58/46/500	20	7315885590328	5590 322
		For 52 mm deep trunking					

Cable clip

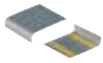

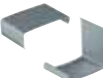
Cable clip to be snap-fitted onto the cable shelf, used to retain the cables in their place.
Material: PA (TTI-KL52), ABS (TTI-KHK).

P61538		TTI-KL52	Black	13/25/40	50	7315880011644	5590 346
P61514		For TTI-KH252					
		TTI-KHK	Brown	6/43/34	100	7315885590342	5590 340
		For TTI-KH72					

Joint cover pieces type TTI

Joint cover piece, kit


Joint cover kits including two or three joint cover pieces to cover joints between trunking sections.
Material: Aluminium, powder coated.

P61735		TTI-US100	White NCS White RAL 9010	—/45/52	10	7315880037699 7315880046059	5590 002 5590 003
		For 52 mm deep trunking					
P61748		TTI-US123	White NCS White RAL 9010	—/45/72	10	7315880010999 7315880027966	5590 036 5590 040
		For 72 mm deep trunking					
P61743		TTI-US161-3	White NCS White RAL 9010	—/45/72	10	7315880046080 7315880011095	5590 075 5590 071
		For 72 mm deep trunking					

Wall frames/collars type TTI


Wall frame

Wall frame made up by two parts which are assembled and mounted on the trunking by means of two rubber mouldings. The frame has a flange against the trunking. To be used to cover a trunking passage through the wall or to make an attractive finish of the trunking against a wall.
Material: ABS.







P61428		TTI-CR100	White NCS White RAL 9010	170/25/120	1	7315885594517 7315880071884	5594 511 5594 510
		For 100x52 mm trunking					
		TTI-CR123	White NCS White RAL 9010	193/25/140	1	7315880066637 7315885594579	5594 576 5594 575
		For 123x72 mm trunking					
		TTI-CR161	White NCS White RAL 9010	231/25/140	1	7315880066644 7315885594616	5594 616 5594 615
		For 161x72 mm trunking					

Wall collar

Wall collar made up by two parts that are snapped together. To be used to cover a trunking passage through the wall or to make an attractive finish of the trunking against a wall.
Material: ABS.

P61429		TTI-R2 100	White RAL 9010 White NCS	161/2.5/103	1	7315880028048 7315885590724	5590 729 5590 720
		For 100x52 mm trunking					
		TTI-R2 123	White NCS	199/8/142	1	7315885590748	5590 740
		For 123x72 mm trunking					
		TTI-R2 161	White NCS	238/8/142	1	7315885590762	5590 760
		For 161x72 mm trunking					

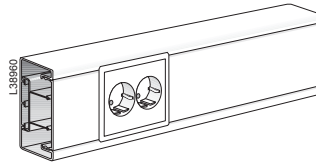
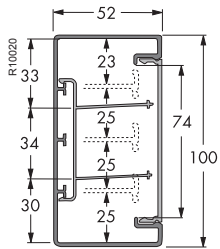
Other accessories type TEK and TTI

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Ref. No.
Supporting piece					
Supporting piece to be used as a support when mounting front F80®. To be inserted under the front, between the front and back walls of the trunking base. Suitable for TEK-161-3. Material: PC/ABS.					
P61515 	White	18/67.2/60	4	7315880037705	5590 341
Joining piece					
Internal joining piece to be used when joining trunking parts. Suitable for TEK -123 and TEK-161-3. Material: PC/ABS.					
P61513 	White	37/67/100	1	7315880022046	5590 115
Bracket					
Bracket for wall mounting of TEK-UH100, adjusted to the pre-punched holes of the trunking. To be screw-fixed to the wall. Material: PP.					
P61519 	Grey	20/20/67	50	7315885591813	5591 810
Mounting washer					
Mounting washer provided with screw hole for mounting to the wall by means of a countersunk screw. The mounting washers are to be placed on the wall along a chalk lining. The trunking is then easily hung on the mounting washers and screw-fixed directly to the wall. Suitable for TEK-123 and 161-3. Material: PA, injection moulded.					
P61881 	Black	5/15/19	100	7315885590182	5590 180
Cup washer					
Cup washer to cover screw heads inside the trunking in order to protect single-insulated cables. Material: PE.					
P61937 	Black	Ø13	100	7315885590526	5590 520
Sound insulation strips					
Sound insulation strip to be used for sound absorbing up to 53 dB when a trunking passes through a wall. Supplied in a set of four for up to four compartments. Material: Foam plastic.					
P61937 	Black	30/45/350	1	7315885590410	5590 410
	Black	50/70/350	1	7315880011828	5590 414

Design and dimensions

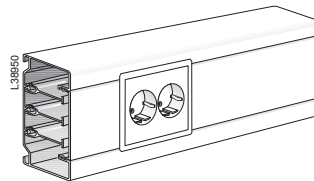
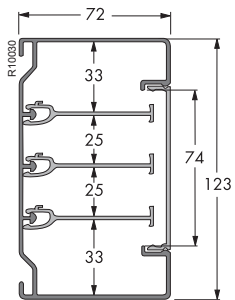
TEK-100/52

For wall surface mounting or on a spacer.



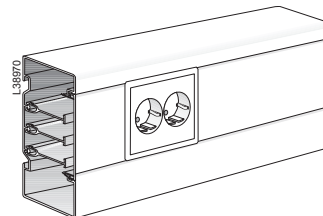
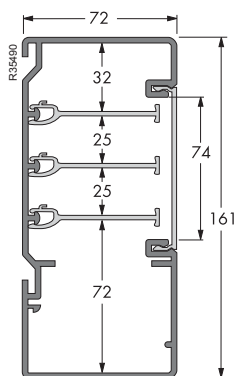
TEK-123/72

For wall surface mounting or on brackets.

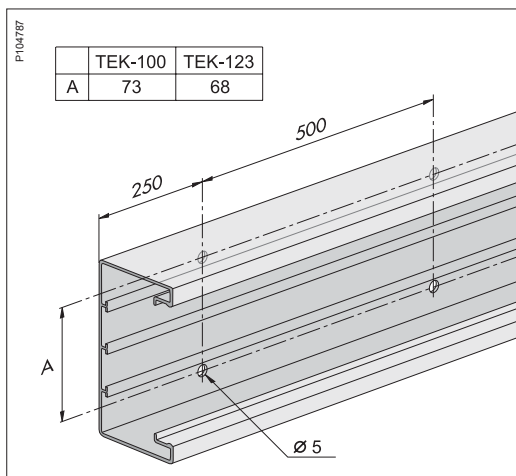
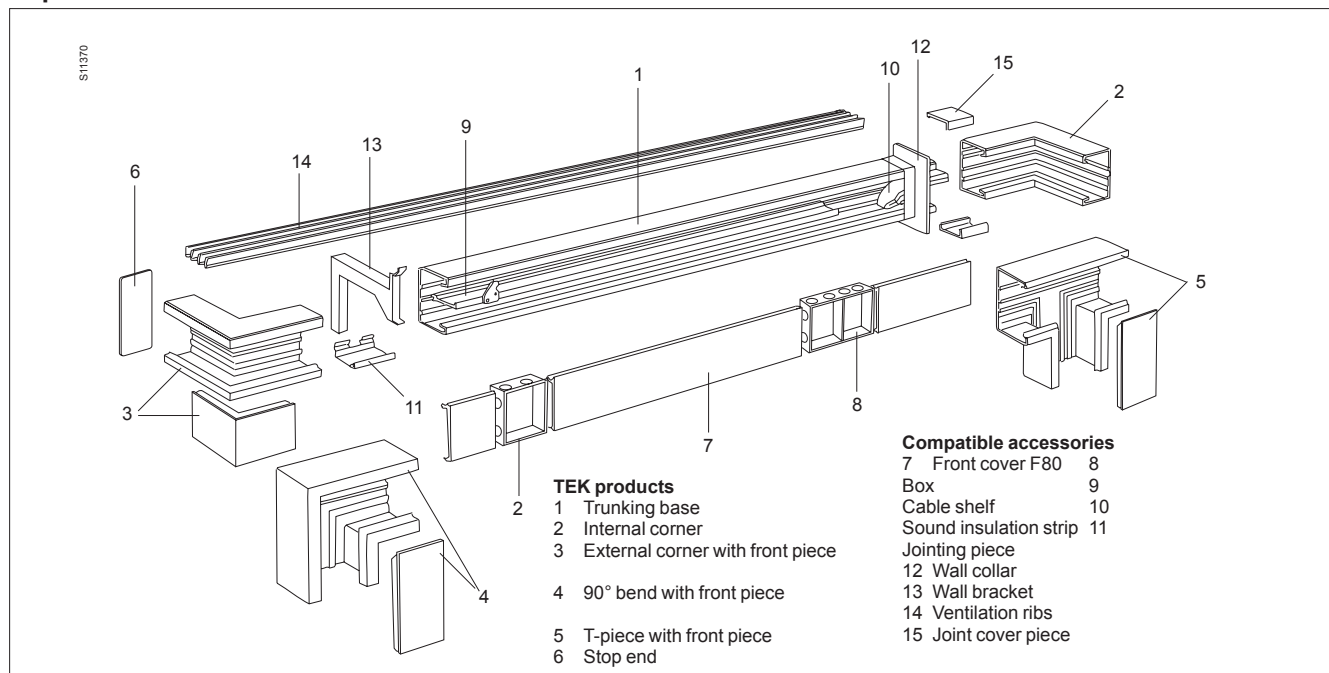


TEK-161-3/72

For wall surface mounting or on brackets.



Exploded view



Standards & approvals

Standards	EN 50085-1:1997+A1:1998
	SS 424 10 02:1993
	KEMA 55A:1984
	CE
Approvals	TEK-100 SEMKO, NEMKO, KEMA
	TEK-123 SEMKO, NEMKO, VDE, SETI, KEMA
	TEK-161-3 SEMKO, NEMKO, VDE, KEMA

Material data TEK

Material	PVC, self-extinguishing, cadmium-free and lead-free
Density	1.5 g/cm ³
Linear expansion	60×10 ⁻⁶ m/°C
Volume resistivity	>10 ¹³ Ω × m (DIN 53482)
Dielectric strength	>20 kV/mm (ISO/DIN)
Colour spec.	• White NCS 0401-Y62R • White RAL 9010
Material	ABS (acrylonitrile-butadiene-styrene)
Density	1.07 g/cm ³
Colour spec.	• White NCS 0401-Y62R • White RAL 9010
Material	PC/ABS (polycarbonate/acrylonitrile-butadiene-styrene)
Density	1.17 g/cm ³
Colour	White
Material	PP (polypropylene)
Density	0.9 g/cm ³
Colour	Grey

Material data FCA

Material	Extruded aluminium
Density	2.7 g/cm ³
Linear expansion	24×10 ⁻⁶ /°C
Surface treatment	Powder coating
Colour spec.	• White NCS 0402-B91G • White RAL 9010
Material	PVC (self-extinguishing, lead and cadmium-free)
Density	1.5 g/cm ³
Linear expansion	60×10 ⁻⁶ /°C
Water absorption	Less than 0.2%
Volume resistivity	>10 ¹³ Ω cm
Flammability prop.	UL 94 V0 (0.8 mm)
Colour spec.	• White RAL 9010 • White NCS 0401-Y62R

Material data TTA

Material	Steel
Density	7.8 g/cm ³
Surface treatment	Galvanized
Colour spec.	Unpainted
Material	Aluminium SS 4104
Density	2.7 g/cm ³
Colour spec.	<ul style="list-style-type: none"> • Unpainted • White RAL 9010 • White NCS 0402-B91G
Material	PC/ABS (polycarbonate/acrylonitrile-butadiene-styrene)
Density	1.14 g/cm ³
Colour.	Grey
Material	PP (polypropylene)
Density	0.99 g/cm ³
Colour	Grey

Material data TTI

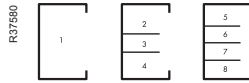
Material	PC/ABS (polycarbonate/acrylonitrile-butadiene-styrene)
Density	1.14 g/cm ³
Linear expansion	70x10 ⁻⁶ /°C
Water absorption	0.6%
Volume resistivity	>10 ¹³ Ω cm
Dielectric strength	19 kV/mm
Fire rating	UL 94 V0
Impact resistance	2 J (medium acc. to EN 50085-1)
Colour spec.	White RAL 9010
Material	ABS (acrylonitrile-butadiene-styrene)
Density	1.07 g/cm ³
Colour spec.	<ul style="list-style-type: none"> • White NCS S 0502-B • White RAL 9010 • Brown NCS 8203-Y63R
Material	PVC (self-extinguishing, lead and cadmium-free)
Density	1.5 g/cm ³
Linear expansion	60x10 ⁻⁶ /°C
Colour	White, unspecified
Material	PE (polyethylene, halogen-free)
Density	0.96 g/cm ³
Water absorption	0.06%
Fire rating	UL 94 HB
Chemical resistance	Resistant to lubricants, fuel, refrigerants, enamels and paints, detergents and degreasing agents. Not resistant to acids.
Colour	Black
Material	PA (polyamide)
Density	1.16 g/cm ³
Linear expansion	100x10 ⁻⁶ /°C
Fire rating	UL 94 V-0
Colour	Black
Material	Stainless steel SS
Density	7.9 g/cm ³
Linear expansion	16.5x10 ⁻⁶ /°C
Material	Aluminium SS 4106
Density	2.7 g/cm ³
Linear expansion	70x10 ⁻⁶ /°C
Surface treatment	Powder coating
Colour spec.	<ul style="list-style-type: none"> • White NCS 0402-B91G
White RAL 9010	

Operative data

Temperature range	From -20° to +60°C
Degree of protection	IP20
Chemical resistance	For extruded profiles in acc. with ISO
Technical Report 7473	

Cable capacity

TEK-100/52



Comp No	Max Ø mm	Cross section area mm ²	Cable capacity, mm ²		
			40%	50%	60%
Without mounting boxes					
1	35	3665	1466	1833	2199
2	25	1110	444	555	666
3	25	902	361	451	541
4	25	1026	410	513	616
5	20	795	318	398	477
6	20	763	305	382	458
7	20	763	305	382	458
8	20	902	361	451	541

With 40 mm deep MIB & CYB boxes					
1	12	1411	564	706	847
2	12	524	210	262	314
3			0	0	0
4	12	527	211	264	316
5	12	536	214	268	322
6	6	92	37	46	55
7	6	101	40	51	61
8	12	539	216	270	323

With 30 mm deep CYB boxes					
1	20	2268	907	1134	1361
2	20	737	295	369	442
3	8	282	113	141	169
4	20	702	281	351	421
5	20	638	255	319	383
6	15	325	130	163	195
7	15	327	131	164	196
8	20	647	259	324	388

TEK-123/72

Without mounting boxes					
1	55	6449	2580	3225	3869
2	35	1651	660	826	991
3	30	1197	479	599	718
4	35	1604	642	802	962
5	30	1661	664	831	997
6	20	1199	480	600	719
7	20	1199	480	600	719
8	30	1916	766	958	1150

With 40 mm deep MIB & CYB boxes					
1	20	4194	1678	2097	2516
2	20	2328	931	1164	1397
3	15	495	198	248	297
4	20	1220	488	610	732
5	20	1433	573	717	860
6	15	476	190	238	286
7	15	476	190	238	286
8	20	1470	588	735	882

With 30 mm deep CYB boxes					
1	30	5052	2021	2526	3031
2	25	1447	579	724	868
3	25	876	350	438	526
4	25	1424	570	712	854
5	25	1527	611	764	916
6	20	742	297	371	445
7	20	742	297	371	445
8	25	2078	831	1039	1247

Performance

Loads

Load between two brackets: 750 N, statical load

Sound insulation

Measurement data per trunking and installation method acc. to ISO 140-10 (reference area 10 m²)

Trunking	Divided	Whole	T5070	T3045	D _{w,8} [dB]	Dw [dB]
TEK-100 distance	X			3x1	58	61
TEK 100 distance	X			3x2	68	68
TEK 100 distance		X		3x1	50	55
TEK 100 distance		X		3x2	62	62
TEK 100 flush	X			3x1	65	66
TEK 100 flush	X			3x2	70	70
TEK 100 flush		X		3x1	55	59
TEK 100 flush		X		3x2	69	69
TEK-123	X		2x1		65	—
TEK-123	X		2x2		66	—
TEK-123		X	2x1		58	—
TEK-123		X	2x2		60	—
TEK-161-3*		X	3x1		55	55
TEK-161-3*		X	3x2		59	59
TEK-161-3*	X		3x1		62	62
TEK-161-3*	X		3x2		66	66

* = Calculated value
 Dw = Sound insulation referring to 10 m²
 Dw,8 = Sound insulation referring to 10 m² with Swedish additional regulation of 8 dB.

Comments on measurement values

To obtain sound insulation, the type and quantity of the insulating strips must be in accordance with the table.

The column T5070 shows the number of insulating strips of each type respectively. 3x1 implies three insulating strips from one direction and 3x2 implies three strips from either side, i.e. six strips altogether.

Please note that the insulating strips are packed in bundles of four, i.e. the T-number states four strips.

Divided in the table heading means that the trunking is divided inside the wall and whole means that the trunking passes through the wall without being divided.

Electric fields

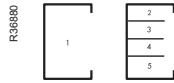
The measurements refer to TEK with typical cable and outlet configurations.

The recommendations from "Svenska Byggnadsstyrelsen" (T:134/1992-02) have served as guidance for the measurements. The limits at 0.5 m distance are 10 V/m for electric fields.

Test objects	Installation trunking:	TEK
	Outlets and connections:	CAN
	Cables:	Type 1 = H05 VV-U 5G 1.5, Type 2 = similar to type 1 but with a bi-conductor as shield, 1.5 mm ² (types acc. to CENELEC HD 21 sec. 2.3)
Instruments	Radians Innova EMM-4	
Voltage	240 V/50 Hz	
Current	19 A nominal	
Point of measurement	The fields were measured at 0.5 m from the objects	
Test results	The values are maximum values for the E-field in V/m.	
	Product	M1 M3 M4
	TEK	54 1.1 20
	M1 refers to cable Type 1 in trunking. M3 refers to cable Type 2 with earthed shield in trunking. M4 refers to cable Type 2 with earthed shield and with CAN outlet in trunking.	

Cable capacity

TEK-161-3/72



Comp No	Max Ø mm	Cross section area mm ²	Cable capacity, mm ²		
			40%	50%	60%
Without mounting boxes					
1	60	8918	3567	4459	5351
2	30	1700	680	850	1020
3	22	1170	468	585	702
4	22	1170	468	585	702
5	56	4298	1719	2149	2579
With 40 mm deep MIB & CYB boxes					
1	56	6652	2661	3326	3991
2	24	1400	560	700	840
3	16	440	176	220	264
4	16	440	176	220	264
5	56	3847	1539	1924	2308
With 30 mm deep CYB boxes					
1	56	7558	3023	3779	4535
2	28	1485	594	743	891
3	20	700	280	350	420
4	20	700	280	350	420
5	56	4538	1815	2269	2723

Cross section area matrix, mm²

Matrix to be used in conjunction with cable capacity tables above.

Round cable Ø mm	Number of cables										
	1	2	3	4	5	6	7	8	9	10	
3	7.1	14.2	21.3	28.4	35.5	42.6	49.7	56.8	63.9	71	
4	12.6	25.2	37.8	50.4	63.0	75.6	88.2	101	113	12	
5	19.6	39.2	58.8	78.4	98.0	118	137	157	176	196	
6	28.3	56.6	84.9	113	142	170	198	226	255	283	
7	38.5	77	116	154	193	231	270	308	347	385	
8	50.0	100	150	200	250	300	350	400	450	500	
9	63.7	127	191	255	319	382	446	510	573	637	
10	78.5	157	236	314	393	471	550	628	707	785	
11	95	190	285	380	475	570	665	760	855	950	
12	113	226	339	452	565	678	791	904	1017	1130	
13	133	266	399	532	665	798	931	1064	1197	1330	
14	154	308	462	616	770	924	1078	1232	1386	1540	
15	177	354	531	708	885	1062	1239	1416	1593	1770	
16	201	402	603	804	1005	1206	1407	1608	1809	2010	
17	227	454	681	908	1135	1362	1589	1816	2043	2270	
18	255	510	765	1020	1275	1530	1785	2040	2295	2550	
19	284	568	852	1136	1420	1704	1988	2272	2556	2840	
20	315	630	945	1260	1575	1890	2205	2520	2835	3150	
Oval cable mm	Number of cables										
	1	2	3	4	5	6	7	8	9	10	
	2 × 3	5.2	10.4	15.6	20.8	26	31.2	36.4	41.6	46.8	52
	2 × 5	9.2	18.4	27.6	36.8	46	55.2	64.4	73.6	82.8	92
	3 × 6	16.1	32.2	48.3	64.4	80.5	96.6	112.7	128.8	144.9	161
4 × 7	24.6	49.2	73.8	98.4	123	147.6	172.2	196.8	221.4	246	

