Pictograms of the table head

- Notes, additions
- Fixing of top: With screw
- In — Rated current (A)
- Colour
- Cover:transparent
- IP.. — Protection degree
- Dielectric strength
- × — Entries
- Mounting rails:perforated
- Mounting rails: full
- mm² — Terminal capacity
- ∅ mm — Tube diameter
- X — Number of screws
- M — Thread
- ×P (1P 2P ×P) — Number of poles
- ×17.5 — Modules
- Solid, strained, fine wire
- pcs — Packing
- Pin type
- Spade
- x — Number of terminals
- Sealing range
- Main
- Entry side
- A mm² — Cross-section of rail
- m — Max. load
- m — Offered load
- (mm) — Rail size
- mm² N — Mechanical loaded neutral core
- CLICK — Fixing of top: Clip-on
- Cover:grey

Pictograms of the technical data

- 230/400 V AC — Raged voltage (V)
- Ui 660 V — Rated insulation voltage
- ABS — Material: ABS
- PA6.6 — Material: Polyamide 6.6
- PE — Material: Polyethylene
- PP — Material: Polypropylene
- Cu — Material: Copper
- PVC — Material: PVC
- 35×7.5 — Can be install on mounting rail
- Ta -10..+55 °C — Ambient temperature
- R 10¹⁴ Ωcm — Resistance
- Cu — Copper rail
- Ft (N) 1.8 N/cm — Adhesiveness
- ΔL 500 % — Tensile elongation
- Fsz 150 N/cm — Tensile force, tensile strength
- 40 kV/mm — Dielectric strength
- To -0..+90°C — Operation temperature
- In max. 100 A — Rated current (A)
- IP 68 — Protection degree
- Seal-leadable
- with rubber membranes
- PS — Material: Polystyrene
- Silicon free — Silicon free
- IK10 — Impact resistance
- RAL 7035 — Colour

Insulating tapes 2

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Floor marking tape for industrial applications 3

Masking tape 4

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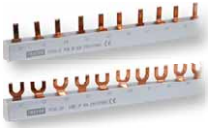
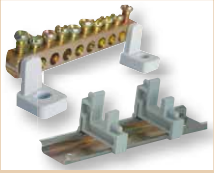
Wire markers 12



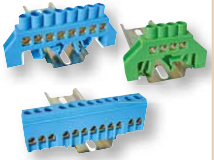
Connecting rails 13

Mounting rails 14



Copper rail holders 14

Copper rail (N/PE rail) 14



Insulated grounding rail 15

Surface-mounted connection boxes 16

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Plastic installation boxes 19

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Fittings for insulated aerial cable bounds 22

Fittings for insulated aerial cable bounds 22

Insulated piercing connectors (IPC) 23

LTT type Aerial wire distance keeper 23

TB Roof pole inlet 23

M

Insulating tapes

PVC | 40 kV/mm | Fsz 150 N/cm | Ft (N) 1.8 N/cm | To -0..+90°C | 0.125 mm

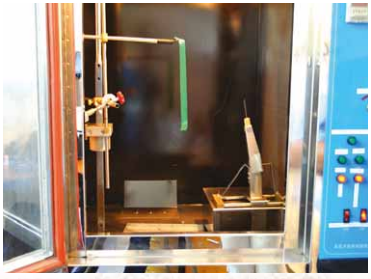
Pictograms M/0

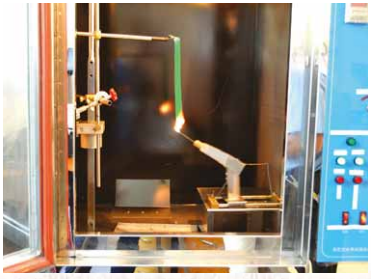
	W / L / TRACON			
	10 m × 15 mm	10 m × 18 mm	20 m × 18 mm	20 m × 50 mm
	B10-15	B10	B20	–
	FEH10-15	FEH10	FEH20	FEH50
	FEK10-15	FEK10	FEK20	FEK50
	K10-15	K10	K20	K50
	–	L10	L20	–
	–	N10	N20	–
	P10-15	P10	P20	P50
	S10-15	S10	S20	S50
	SZ10-15	SZ10	SZ20	SZ50
	Z10-15	Z10	Z20	Z50
	ZS10-15	ZS10	ZS20	ZS50

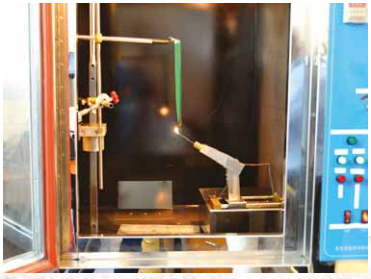
RELEVANT STANDARD
EN 60454

TÜV MEEI TEST DOCUMENTATION
28207724 001

We are testing the flammability of our plastic products with our glow wire and flame rating testers.





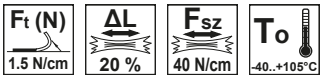


Self-vulcanising, insulating tapes

TRACON	L × w	w
ONVSZ19	10 m × 19 mm	0,5±0,05 mm
ONVSZ25	10 m × 25 mm	0,5±0,05 mm
ONVSZ38	10 m × 38 mm	0,5±0,05 mm

Poly-isobutylene, flammable, black coloured tapes separated with plastic film against self – adhesion. Main applications: this type of insulating tapes is mainly used for insulating connections of low current and television cables and wires and also for telecom cable jointing, anticorrosion prevention of pipelines, low and medium voltage power cable installation up to 36 kV but this latter – due to the flammability – only in cases when there is no heat effect.

Textile tape



TRACON	L × w	w
TVSZ25	25 m × 25 mm	0,3 mm

Extruded PE textile tape.
Based on woven (55 eyes) PET/rayon tape which covered by pressure sensitive natural rubber glue.

Special textile tape

TRACON	L × w	w
SV50	50 m × 50 mm	0,15 mm

These tapes have a strong adhesiveness and are recommended for industrial applications, fixing, signing or bounding.

Floor marking tape for industrial applications

TRACON	L × w	w
BY50	33 m × 50 mm	0,15 mm

These tape is recommended for marking the corridors or dangerous places in halls, warehouses.

Two-sided duct-tape

PP

TRACON	L × W
K0R50	25 m × 50 mm
K0HR10*	25 m × 10 mm
K0HR24*	25 m × 24 mm

* foamed

Masking tape

Ta -5..+55 °C

TRACON	L × W
MSZ18	35 m × 18 mm
MSZ24	35 m × 24 mm
MSZ36	35 m × 36 mm
MSZ48	35 m × 48 mm

Slippage reducing tape, black

Ft (N) 4 N/25 mm | Fsz 45 N/25 mm | To -40..+105°C | PVC

TRACON	L × W	H (mm)
SRTB25	5 m × 25 mm	0,75 mm
SRTB50	5 m × 50 mm	0,75 mm

Slippage reducing marking tape, yellow-black

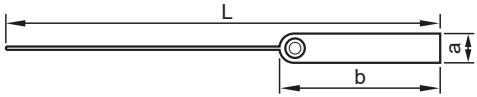
Ft (N) 4 N/25 mm | Fsz 45 N/25 mm | To -40..+105°C | PVC

TRACON	L × W	H (mm)
SRTYB25	5 m × 25 mm	0,75 mm
SRTYB50	5 m × 50 mm	0,75 mm

Marking seal

TRACON		L (mm)	a (mm)	b (mm)	
JPL1		230	18	54	80 N
JPL2		330	18	54	80 N
JPL3		415	21	79	200 N

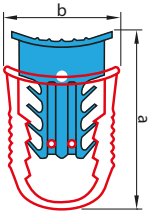
PP



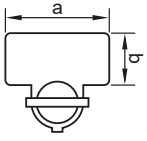
A marking technique that, with its uniqueness (unique serial number), makes access to a protected object controllable and traceable. The seals are very easy to apply and remove, they do not require tools or auxiliary material.
The heads of our plastic seals are made of metal or hard plastic inserts, so they do not soften thermally, it is impossible to open the seals without damaging them.

Meter seal

TRACON		a (mm)	b (mm)
MP1		30,5	21
MP2		27	13



Our meter seals are suitable for the symbolic protection of distribution cabinets, gas meters and other meters. We recommend it for any place where a symbolic closure is the goal, but I don't want the seal to tear prematurely. No tools or auxiliary materials are required to install it.
The length of the metallic filament is 25 cm.

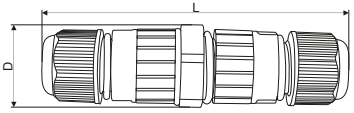


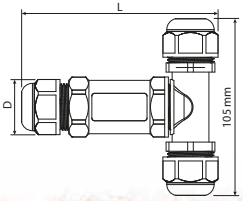
PC

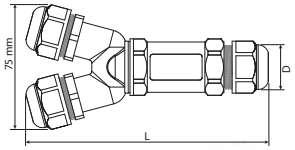
Cable connectors with cable gland

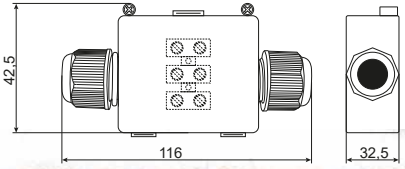
Ui 660 V | PA6.6

TRACON	mm²			xP	L (mm)	D (mm)	Un	In	IP..
	In	Out							
CST1	0.5-1	0.5-1	PG9	3	68	21	250 VAC	13 A	IP 65
CST4	0.5-4	0.5-4	MG25	5	123	33	450 VAC	24 A	IP 68
CST4-T	0.5-4	0.5-2.5 (4)	MG25	5	110	33	450 VAC	24 A	IP 68
CST4-T3P	2,5 (4)	2,5 (4)	MG25	3	110	33	450 VAC	24 A	IP 68
CST4-Y	0.5-4	0.5-2.5 (4)	MG25	5	150	33	450 VAC	24 A	IP 68
CST4-Y3P	2.5 (4)	2.5 (4)	MG25	3	150	33	450 VAC	24 A	IP 68
CST15B	0.5-1.5	0.5-1.5	MG20	3	90	27	450 VAC	16 A	IP 68
CST15W	0.5-1.5	0.5-1.5	MG20	3	74	26	450 VAC	16 A	IP 68
CST25	0.5-2.5	0.5-2.5	MG20	3	74	26	250 VAC	16 A	IP 65
CST25F	0.5-2.5	0.5-2.5	MG20	3	107	29	250 VAC	16 A	IP 68
CSTBOX	0.5-1	0.5-1	PG9	3	116	–	250 VAC	13 A	IP 65









Pg plastic cable glands

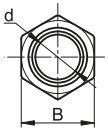
PE | Ta -40..+85°C | IP 66

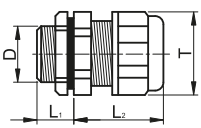
TRACON	mm	T (mm)	B (mm)	d (mm)	D (mm)	L_1 (mm)	L_2 (mm)
PG-7	3.5 - 6.5	16	18	6	12	10	22
PG-9	4.5 - 7	19	22	8	15	10	25
PG-11	5.5 - 10	22	23	10	18	8	29
PG-13,5	9 - 13	23	26	13	20	10	29
PG-16	10 - 14	26	29	14	21	9	29
PG-21	14 - 18	32	35	19	28	12	35
PG-29	18 - 25	41	45	26	36	12	40
PG-36	25 - 30	52	58	31	46	12	45
PG-42	30 - 38	57	56	37	51	14	40
PG-48	37 - 44	65	71	43	58	21	50

Connection thread: armour tube

Gasket with membrane for PG cable gland

TRACON	mm
PG7-G	3,5-6
PG9-G	7,5-8,5
PG11-G	7-9,5
PG13,5-G	9-12
PG16-G	11-14
PG21-G	14-17,5
PG29-G	22-25
PG36-G	26-33
PG42-G	31-37
PG48-G	37-43



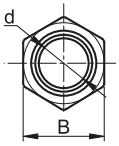


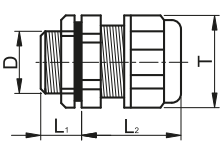
PG metal Cable glands

Ta -40..+105 °C | IP 66

Pictograms M/0

TRACON	mm	T (mm)	B (mm)	d (mm)	D (mm)	L_1 (mm)	L_2 (mm)
PGF-7	2 - 5	16	14	7.4	12.5	7	15
PGF-9	3-6.5	19	17	8.8	15	8	17
PGF-11	4-8	22	20	10.7	18.5	8	17
PGF-13,5	5-10	24.2	22	12.7	20	8	19
PGF-16	6-12	26.5	24	14.6	22.4	8	20
PGF-21	12-16	33	30	18.6	28.2	9	22
PGF-29	14-21	44	40	25.7	36.8	10	25
PGF-36	23-30	55	50	33.6	46.8	11	28
PGF-42	30-35	63	57	39.5	53.8	13	30
PGF-48	35-40	70	64	44.7	59	14	32





RELEVANT STANDARD
MSZ EN 62444

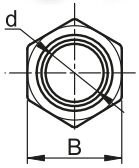
Connection thread: armour tube
Material: copper (nickel plated)

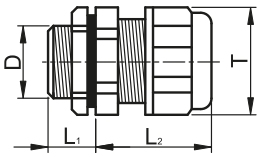
Mg plastic cable glands

PA6.6 | Ta -40..+85°C | IP 66

Pictograms M/0

TRACON		mm	T (mm)	B (mm)	d (mm)	D (mm)	L_1 (mm)	L_2 (mm)
MG-12	MG-12F	3.5 - 7.5	18.3	17.3	7.6	M12	9	27
MG-16	MG-16F	5 - 10	22	21.7	10.6	M16	15	30
MG-20	MG-20F	6.5 - 14	29.5	27	14.5	M20	14	37
MG-25	MG-25F	12 - 18	32.6	32.6	18	M25	14	37
MG-32	MG-32F	15 - 24	40.6	40.5	26	M32	15	42
MG-40	MG-40F	21 - 30	49.4	48.9	30.8	M40	20	46
MG-50	MG-50F	30 - 40	62.1	60.6	40.6	M50	22.5	54
MG-63	MG-63F	40 - 50	81	76	52.5	M63	23.8	57





RELEVANT STANDARD
MSZ EN 62444

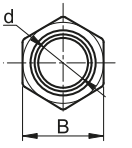
MG metal cable glands

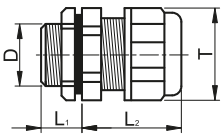
Ta -40..+105 °C | IP 66

Pictograms M/0

TRACON	mm	T (mm)	B (mm)	d (mm)	D (mm)	L_1 (mm)	L_2 (mm)
MGF-12	3-6.5	15.5	14	7.5	M12 × 1.5	6.5	15
MGF-16	4-8	20	18	9	M16 × 1.5	8	16
MGF-18	5-10	22	20	10.6	M18 × 1.5	8	17
MGF-20	6-12	24	22	12.7	M20 × 1.5	8	19
MGF-25	8-14	26.5	24	14.6	M25 × 1.5	9	19
MGF-32	15-22	38	35	22.8	M32 × 1.5	10	23
MGF-40	18-25	43.8	40	25.6	M40 × 1.5	11	25
MGF-50	32-38	63	57	39.4	M50 × 1.5	13	30
MGF-63	37-44	70	64	44.8	M63 × 1.5	14	31

Material: copper (chromed)





RELEVANT STANDARD
MSZ EN 62444

Metrical cable glands with strain relief and bend

PA6.6 | Ta -40..+85°C | IP 66

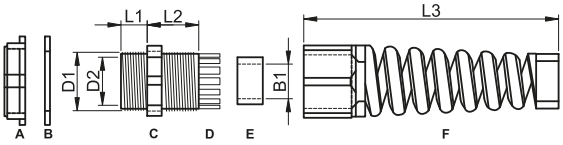
Pictograms M/0

TRACON	mm	D_1 (mm)	D_2 (mm)	B_1 (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)
MG-12TG	3 - 6.5	M12 × 1.25	8.3	6	7.9	12.1	53.3
MG-16TG	5 - 10	M16 × 1.5	10.9	9.6	14.4	14.4	74.9
MG-20TG	10 - 14	M20 × 1.5	14.8	12.9	12.8	19.5	96.2
MG-25TG	13 - 18	M25 × 1.5	18.5	16.5	13.9	19.5	111.2

The cable glands with integrated strain relief can be used at flexible cable inputs and in every other case, when reliability and strain protection are important.

RELEVANT STANDARD
MSZ EN 62444

RELEVANT STANDARD
EN 60423



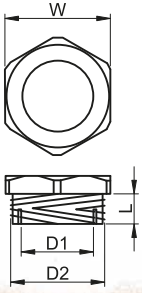
A – Tighten nut
B – Spacer
C – Body
D – Patented claw
E – Seal
F – Tighten nut with strain relief

Metrical constrictor screw

PA6.6 | Ta -40..+85°C

TRACON	D_2 (mm)	D_1 (mm)	L (mm)	W (mm)
TMSZ-20/12	M20 × 1.5	M12 × 1.5	8	24.2
TMSZ-20/16	M20 × 1.5	M16 × 1.5	8	24.2
TMSZ-25/16	M25 × 1.5	M16 × 1.5	8	29
TMSZ-25/20	M25 × 1.5	M20 × 1.5	8	29
TMSZ-32/20	M32 × 1.5	M20 × 1.5	10	35.9
TMSZ-32/25	M32 × 1.5	M25 × 1.5	10	35.9
TMSZ-40/32	M40 × 1.5	M32 × 1.5	10	45.8
TMSZ-50/40	M50 × 1.5	M40 × 1.5	11.5	55
TMSZ-63/50	M63 × 1.5	M50 × 1.5	11.5	67.5

The constrictor screw is used when an installed hole is bigger than the outer tread of cable gland. A female tightening bolt is also available for constrictor screw. Check it on the next page!



RELEVANT STANDARD
EN 60423

Female tightening bolts

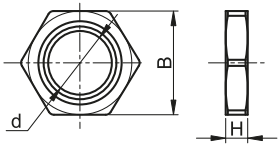
PA6.6 | Ta -40..+85°C

Pictograms M/0

TRACON		d (mm)	B (mm)	H (mm)
MG-12-A	MG12	M12 × 1.5	17.5	5
MG-16-A	MG16	M16 × 1.5	22	7
MG-20-A	MG20	M20 × 1.5	26.5	7.5
MG-25-A	MG25	M25 × 1.5	33	8
MG-32-A	MG32	M32 × 1.5	40.5	8
MG-40-A	MG40	M40 × 1.5	49	10
MG-50-A	MG50	M50 × 1.5	60.5	9.5
MG-63-A	MG63	M63 × 1.5	73.5	11

Female tightening bolts are applicable for fixing metrical cable glands, constrictor screws and closing caps onto holes on electric boxes.

RELEVANT STANDARD
EN 60423



Metrical closing cap

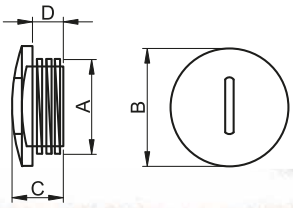
PA6.6 | Ta -40..+85°C | IP 68

Pictograms M/0

TRACON	A (mm)	B (mm)	C (mm)	D (mm)
TMZ-12	M12 × 1.5	15	10	6
TMZ-16	M16 × 1.5	20	10.5	6
TMZ-20	M20 × 1.5	24	10.5	6
TMZ-25	M25 × 1.5	29.7	12.8	7.8
TMZ-32	M32 × 1.5	36.6	13.3	7.8
TMZ-40	M40 × 1.5	45.8	13.4	7.8
TMZ-50	M50 × 1.5	55.5	16.2	9.8
TMZ-63	M63 × 1.5	69.3	17.5	11.8

They are generally used for closing free holes on electric boxes. For closing cap a female tightening bolt is also available.

RELEVANT STANDARD
EN 60423



Cable gland for quick connection to corrugated tubes

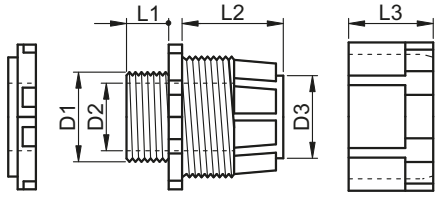
PA6.6 | Ta -40..+85°C | IP 55

Pictograms M/0

TRACON	D_1 (mm)	D_2 (mm)	D_3 (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	ø
GCS-16	15,9	11	10,8	10	17,9	15,7	16 mm
GCS-20	19,2	15	14,7	10	17,7	16	20 mm
GCS-25	25	18,9	19,8	11,4	23,6	20,6	25 mm
GCS-32	31,2	26	24,3	12	22,8	20,6	32 mm
GCS-40	37,5	31,5	31,6	11,3	23,6	20,7	40 mm
GCS-50	44	37,5	39,5	12,6	21,6	20,7	50 mm

To be applied for connection of corrugated tubes to distribution boxes.

RELEVANT STANDARD
MSZ EN 62444

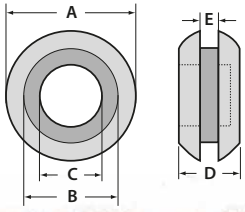


Cable sleeve (opened and closed)

PVC | To -0..+90°C | Silicon free

TRACON		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
BV0603	**BVZ0603**	8,5	6	3	4,7	1,7
BV0705	**BVZ0706**	10,2	7,2	5	4,4	1,7
BV1006	**BVZ1006**	13,3	10	6,4	6,3	1,7
BV1108	**BVZ1108**	15,5	11	7,8	9	3
BV1410	**BVZ1410**	19,5	13,9	10,5	6,4	3,4
BV2015	**BVZ2015**	23,7	20,1	15,5	6,1	1,7
BV2518	**BVZ2518**	29,9	25,1	18,9	7,2	1,5
BV3225	**BVZ3225**	38,1	31,7	25	7,8	1,5

These cable sleeves are recommended to protect the insulations of cables while leading them through holes with sharp edges. The closed sleeves with thin membrane can be used as insulation around cables while entering them into connection boxes and can be the preparation for future installations.



Wire markers

PA6.6 | Ta -40..+85°C

TRACON	mm²		pcs
J020...J029	0.2...1.5	0, 1, …, 9	10-100
J02-	0.2...1.5	–	10-100
J02+	0.2...1.5	+	10-100
J02GND	0.2...1.5	⏚	10-100
J02X	0.2...1.5	X	10-100
J02Y	0.2...1.5	Y	10-100
J150....J159	1.5...4	0, 1, …, 9	10-100
JSET	1.5...4	0, 1, …, 9	10 × 50
J15A...J15Z	1.5...4	A, B, …, Z	10-100
J15/	1.5...4	/	10-100

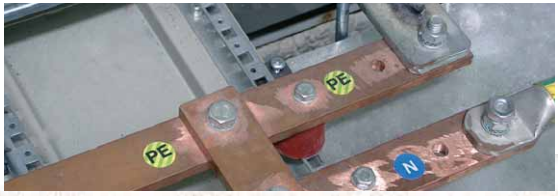
TRACON	mm²		pcs
J15-	1.5...4	–	10-100
J15+	1.5...4	+	10-100
J15GND	1.5...4	⏚	10-100
JSET/B	1.5...4	⏚, A, B, J, 0, R, S, T, +, -	10 × 50
J40...J49	4...10	0, 1, …, 9	10-100
J4A...J4Z	4...10	A, B, …, Z	10-100
J4-	4...10	–	10-100
J4+	4...10	+	10-100

Self-adhesive marking labels

These labels of 20 mm diameter are used for identifiing rails, joining connectors in joint boxes and devices.

TRACON	Title	Marking label
JC01	1st phase conductor on AC system	L1
JC02	2nd phase conductor on AC system	L2
JC03	3rd phase conductor on AC system	L3
JC04	Positive conductor on DC system	L+
JC05	Negative conductor on DC system	L-
JC06	Neutral conductor	N
JC07	Middle conductor of DC system	M
JC08	Detached protective conductor	PE

TRACON	Title	Marking label
JC09	Potential equalizer conductor	PE
JC10	Common neutral and protective conductor	PEN
JC11	European Certificate sign	CE
JC12	Explosion proof device (older)	Ex
JC13	Explosion proof device	Ex
JC14	Service earthen terminal	⏚
JC15	Terminal for protective conductor	⏚

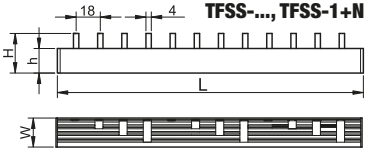


Connecting rails

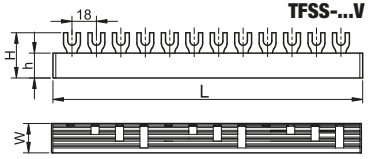
230/400 V AC | Ui 500 V | Ta -40..+85°C

Pictograms M/0

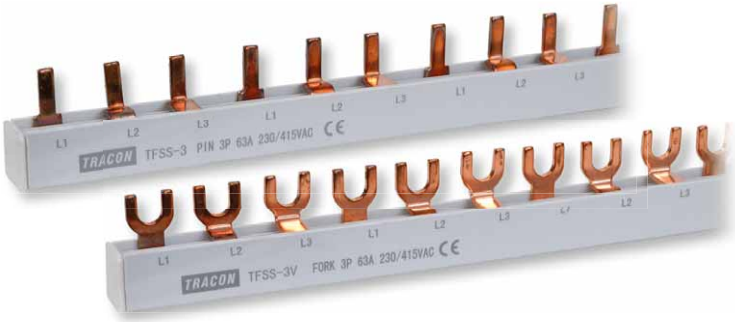
TRACON	In	A mm²	×17.5	L (mm)	H (mm)	h (mm)	W (mm)	×P
TFSS-1	max. 63 A	10 mm²	56 mod.	1000	15.4	4.8	12.5	1
TFSS-1-12	max. 63 A	10 mm²	12 mod.	215	15.4	4.8	12.5	1
TFSS-1+N	max. 63 A	10 mm²	54 mod.	1000	19	9.2	21/15.3	1+N
TFSS-2	max. 63 A	10 mm²	56 mod.	1000	29.4	17	10.4	2
TFSS-3	max. 63 A	10 mm²	56 mod.	1000	29.5	18	21	3
TFSS-3-12	max. 63 A	10 mm²	12 mod.	215	29.5	18	21	3
TFSS-4	max. 63 A	10 mm²	56 mod.	1000	29.5	18.3	21.6	4
TFSS-1V	max. 63 A	10 mm²	56 mod.	1000	14.8	5	15	1
TFSS-1V-12	max. 63 A	10 mm²	12 mod.	215	14.8	5	15	1
TFSS-2V	max. 63 A	10 mm²	56 mod.	1000	28.5	17	10.4	2
TFSS-3V	max. 63 A	10 mm²	56 mod.	1000	28.5	17	15.5	3
TFSS-3V-12	max. 63 A	10 mm²	12 mod.	215	28.5	17	15.5	3
TFSS-4V	max. 63 A	10 mm²	56 mod.	1000	30	18.2	21.1	4
TFSS100-1	max. 100 A	25 mm²	37 mod.	1000	13.7	4.5	16.8	1
TFSS125-1	max. 125 A	35 mm²	37 mod.	1000	18.4	4.7	19.1	1

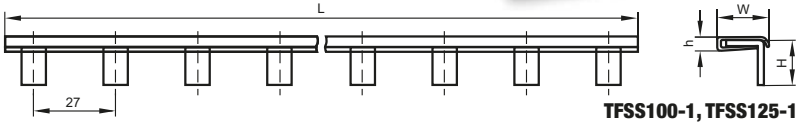


TFSS-..., TFSS-1+N



TFSS-...V





TFSS100-1, TFSS125-1

Other accessories

TRACON	Description
TFSS-1Z	Closing cap for 1-pole 63 A rails
TFSS-2Z	Closing cap for 2-poles 63 A rails
TFSS-3Z	Closing cap for 3-poles 63 A rails
TFSS-4Z	Closing cap for 4-poles 63 A rails
TFSS-1CS	Screw terminal for wires up to 25 mm²
TFSSCOV	Protection cover against accidental contact

TFSS-1CS

TFSS-...Z

TFSSCOV

The TFSS type connecting rail serves to joint the input sides of circuit breakers. The male versions can be used with female contacts, the spade versions can be used with screw contacts. The rail can be cut to the necessary sizes.

TFSS100-1, **TFSS125-1**: These rails are suitable to supply high current modular devices like high current circuit breakers. Applications are similar as with simple connecting rails seen above. Because of the 27 mm divisions, 5 mm clearance between adjacent devices is ensured, i.e. the maximal current load of the device is less temperature-dependant.

The poles can be sled a bit for exact connection.

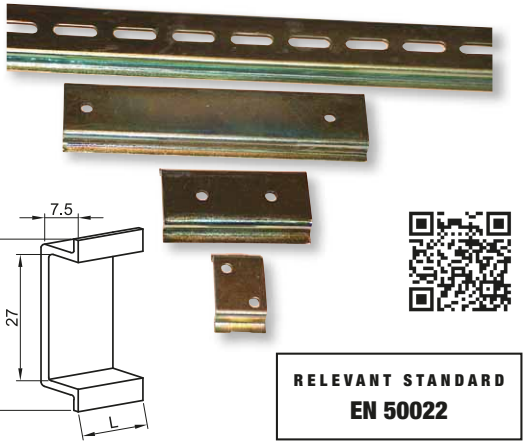
Mounting rails

TRACON	L (mm)
35/7,5SIN-1000	1000
35/7,5SIN-500	500
35/7,5SIN-137	137
35/7,5SIN-60	60
35/7,5SIN-20	20
35/7,5SIN-T-1000	1000
35/7,5SIN-T-200	200

Suited for fixing of DIN type mounted rails devices, "hat" form, galvanized steel rails.

They can be installed with screw, to the holes provided.

On the longer ones there are rows of oval holes.

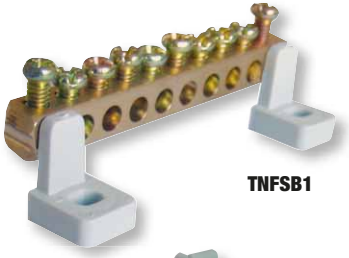


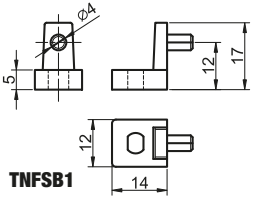
RELEVANT STANDARD
EN 50022

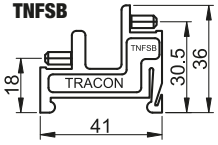
Copper rail holders

Ui 660 V | PA6.6 | To -15..+55°C

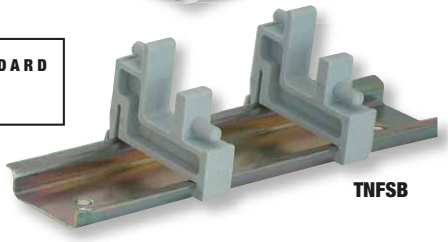
TRACON	Description	
TNFSB1	Copper rail holder for 1 pc rail	TNFS, TNFS10, TNFS16, TNFS25
TNFSB	Copper rail holder for 2 pcs rails	TNFS







RELEVANT STANDARD
EN 50022

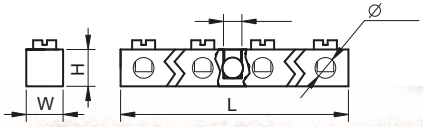


Copper rail (N/PE rail)

230/400 V AC | In max. 63 A | Cu

TRACON	H (mm)	W (mm)	L (mm)	∅ (mm)	x	mm² ○	mm² ◎
TNFS	8	8	1 000	4.5	166 × M4	10	6
TNFS10	10	6.1	1 000	4.3	166 × M4	10	6
TNFS16	10	8	1 000	5.5	133 × M4	16	6
TNFS25	12	8	1 000	7.5	101 × M5	25	16
TNFS2516	12	7	152	7.8	14 × M5	16	10
				5.5	5 × M6	25	16

RELEVANT STANDARD
EN 60998

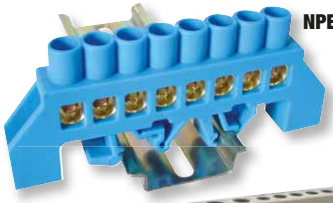


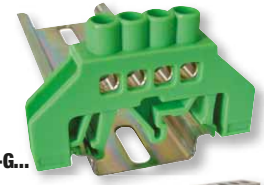
Insulated grounding rail

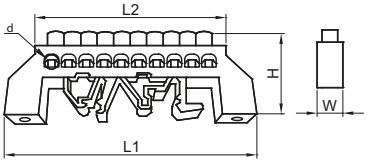
230/400 V AC | Ui 500 V | Cu | PA6.6 | IP 20 | Ta -40..+85°C | 35×7.5

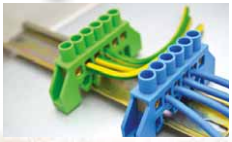
TRACON	(mm) x	In	mm² ○	mm² ◎	L (mm)	L1 (mm)	L2 (mm)	H (mm)	W (mm)	d (mm)	M	
NPE-ZB	6 × 9 x 12	max. 63 A	2,5-16	2,5-10	88	–	–	26	13	5,5	M5	
NPE-ZG	6 × 9 x 12	max. 63 A	2,5-16	2,5-10	88	–	–	26	13	5,5	M5	
NPE-ZBK	6 × 9 x 12	max. 63 A	2,5-16	2,5-10	88	–	–	26	13	5,5	M5	
NPE-B6-4	6 × 9 x 4	max. 63 A	2,5-16	2,5-10	–	49	34	35	10,5	5	M4	
NPE-B6-6	6 × 9 x 6	max. 63 A	2,5-16	2,5-10	–	57	47	35	10,5	5	M4	
NPE-B6-8	6 × 9 x 8	max. 63 A	2,5-16	2,5-10	–	70	60	35	10,5	5	M4	
NPE-B8-6	8 × 12 x 6	max. 100 A	4-35	4-25	–	66	57	39	12,6	7	M5	
NPE-B8-8	8 × 12 x 8	max. 100 A	4-35	4-25	–	79	34	28	10,5	7	M5	
NPE-B8-10	8 × 12 x 10	max. 100 A	4-35	4-25	–	100	91	39	12,6	7	M5	
NPE-B8-12	8 × 12 x 12	max. 100 A	4-35	4-25	–	118	109	39	12,6	7	M5	
NPE-B8-14	8 × 12 x 14	max. 100 A	4-35	4-25	–	134	137	39	12,6	7	M5	
NPE-G6-4	6 × 9 x 4	max. 63 A	2,5-16	2,5-10	–	49	34	35	10,5	5	M4	
NPE-G6-6	6 × 9 x 6	max. 63 A	2,5-16	2,5-10	–	57	47	35	10,5	5	M4	
NPE-G6-8	6 × 9 x 8	max. 63 A	2,5-16	2,5-10	–	70	60	35	10,5	5	M4	
NPE-G8-6	8 × 12 x 6	max. 100 A	4-35	4-25	–	66	57	39	12,6	7	M5	
NPE-G8-8	8 × 12 x 8	max. 100 A	4-35	4-25	–	79	34	28	10,5	7	M5	
NPE-G8-10	8 × 12 x 10	max. 100 A	4-35	4-25	–	100	91	39	12,6	7	M5	
NPE-G8-12	8 × 12 x 12	max. 100 A	4-35	4-25	–	118	109	39	12,6	7	M5	
NPE-G8-14	8 × 12 x 14	max. 100 A	4-35	4-25	–	134	136	39	12,6	7	M5	
NPE-BK6-4	6 × 9 x 4	max. 63 A	2.5-16	2.5-10	–	49	34	35	10.5	5	M4	
NPE-BK6-6	6 × 9 x 6	max. 63 A	2.5-16	2.5-10	–	57	47	35	10.5	5	M4	
NPE-BK6-8	6 × 9 x 8	max. 63 A	2.5-16	2.5-10	–	70	60	35	10.5	5	M4	
NPE-BK8-6	8 × 12 x 6	max. 100 A	4-35	4-25	–	66	57	39	12.6	7	M5	
NPE-BK8-8	8 × 12 x 8	max. 100 A	4-35	4-25	–	79	34	28	10.5	7	M5	
NPE-BK8-10	8 × 12 x 10	max. 100 A	4-35	4-25	–	100	91	39	12.6	7	M5	
NPE-BK8-12	8 × 12 x 12	max. 100 A	4-35	4-25	–	118	109	39	12.6	7	M5	
NPE-BK8-14	8 × 12 x 14	max. 100 A	4-35	4-25	–	134	137	39	12.6	7	M5	
NPE-Z-24*	6 × 9 x 24	max. 63 A	2,5-16	2,5-10	250	–	–	18,3	7,6	4×5,4+20×4,3	M4×20+M5×4	
NPE-Z-38*	8 × 12 x 38	max. 100 A	4-25	2,5-16	360	–	–	26,6	13,7	10×7,5+28×5,2	M6×10+M5×28	

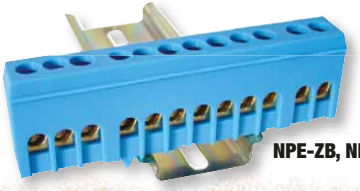
* For mounting plate installation











Surface-mounted connection boxes

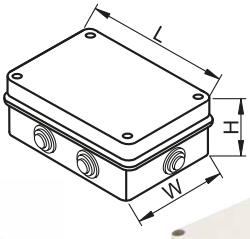
ABS | RAL 7035 | IK10 | To -25..+60°C | 650 °C

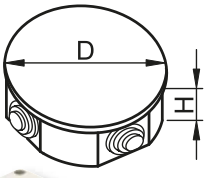
Pictograms M/0

TRACON	D (mm)	L (mm)	W (mm)	H (mm)	IP..		d_1 (mm)	d_2 (mm)	
TQBYD70	70	–	–	40	IP 44	**TQBY2-GB**	23	29	CLICK
TQBYD85	85	–	–	45	IP 44	**TQBY2-GB**	23	29	
TQBY884	–	80	80	40	IP 44	**TQBY2-GB**	23	29	
TQBY8125	–	80	120	50	IP 44	**TQBY3-GB**	29 ±1	35 ±1	METAL
TQBY10105	–	100	100	50	IP 54	**TQBY3-GB**	29 ±1	35 ±1	
TQBY15117	–	150	110	70	IP 54	**TQBY3-GB**	29 ±1	35 ±1	
TQBY15157	–	150	150	70	IP 54	**TQBY4-GB**	38 ±1	44 ±1	
TQBY19148	–	190	145	80	IP 65	**TQBY4-GB**	38 ±1	44 ±1	PLASTIC
TQBY25209	–	250	200	90	IP 65	**TQBY4-GB**	38 ±1	44 ±1	
TQBY312313	–	310	230	130	IP 65	**TQBY5-GB**	49 ±1	57 ±1	

TQBYD70, TQBYD85

TQBY884





TQBY8125

TQBY10105

TQBY15117

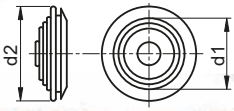
TQBY19148

TQBY25209

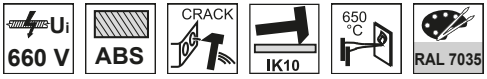
TQBY312313

TQBY15157

Rubber membranes



Electronics boxes

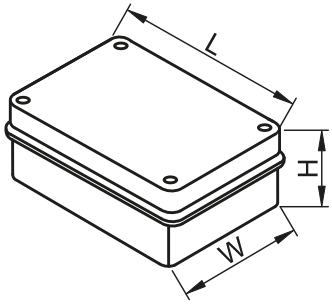


TRACON		W (mm)	L (mm)	H (mm)	IP..	
MED884	To -25..+60°C	80	80	40	IP 44	CLICK
MED8125	To -25..+60°C	80	120	50	IP 54	
MED10105		100	100	50	IP 54	
MED15117		150	110	70	IP 54	
MED15117S*		150	110	70	IP 54	METAL
MED15157		150	150	70	IP 55	
MED15157T		150	150	70	IP 55	
MED12085*	Ta -10..+55 °C	120	80	50	IP 56	
MED383012		380	300	120	IP 56	
MED19148	To -25..+60°C	190	145	80	IP 67	PLASTIC
MED19148T		190	145	80	IP 67	
MED25209		250	200	90	IP 67	
MED25209T		250	200	90	IP 67	
MED312313		310	230	130	IP 67	
MED312313T		310	230	130	IP 67	

* without knock-outs

MED8125, MED10105, MED15117, MED15157

MED19148, MED25209, MED312313



MED19148T, MED25209T, MED312313T, MED15157T

MED383012

Easy open plastic boxes

Ui 660 V | Ta -10..+55 °C | IP 55 | ABS

Pictograms M/0

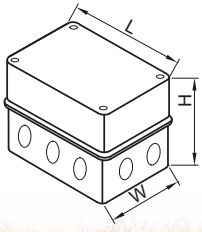
TRACON	W (mm)	L (mm)	H (mm)	
MD81212	80	120	120	–
MD101012	100	100	120	–
MD151114	150	110	140	–
MD191514	190	145	140	MD-SZL1
MD252016	250	200	160	MD-SZL2
MD312318	310	230	180	MD-SZL3
MD151114T	150	110	140	–
MD191514T	190	145	140	MD-SZL1
MD252016T	250	200	160	MD-SZL2
MD312318T	310	230	180	MD-SZL3

Galvanized mounting plates to MD boxes

TRACON	
MD-SZL1	172 × 127 mm
MD-SZL2	228 × 179 mm
MD-SZL3	290 × 210 mm

RELEVANT STANDARD
EN 60670

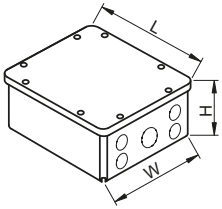
RELEVANT STANDARD
EN 60423



Plastic installation boxes

Ui 660 V | Ta -5..+40 °C | PS | Pictograms M/0

TRACON	L (mm)	W (mm)	H (mm)	IP..	
DN200X200	200	200	85	IP 44	× 2
DN250X250	250	250	110	IP 44	× 4

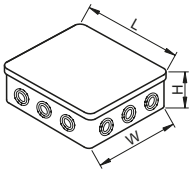


Elastic boxes placed outside the wall

Ui 660 V | Ta -10..+55 °C | PE | Pictograms M/0

TRACON	L (mm)	W (mm)	H (mm)	IP..	×
PD75X35	80	42	40	IP 54	× 8
PD75X75	75	75	40	IP 54	× 12
PD85X85	85	85	37	IP 54	× 12
PD100X100	100	100	40	IP 54	× 12

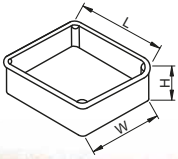
RELEVANT STANDARD
EN 60670

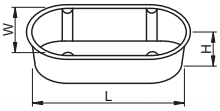


Rigips boxes

Ui 660 V | Ta -5..+40 °C | PS | Pictograms M/0

TRACON		L (mm)	W (mm)	H (mm)
GD6021	plain installation box	65	65	45
GD60	deep installation box	65	65	60
GD8021	connection box with lid	80	80	45
GD100	connection box with lid	100	100	45
GD71D	double installation box	140	65	45





GD71D

GD6021

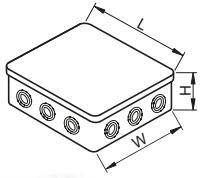
GD100

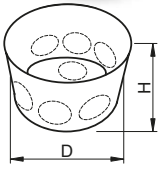
Sunk-in perforated connection boxes

Ui 660 V | Ta -5..+40 °C | PS

Pictograms M/0

TRACON		D (mm)	H (mm)	W (mm)	L (mm)	H (mm)
D70	plain	70	45	—	—	—
D80	plain	80	45	—	—	—
D80X80	Square	—	—	76	97	51.5
D100X100	Square	—	—	100	116	51.5
D150X150	Square	—	—	150	166	65.3



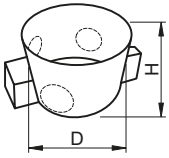


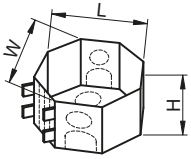
Sunk-in perforated installation boxes

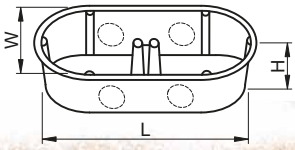
Ui 660 V | Ta -5..+40 °C | PS

Pictograms M/0

TRACON		D (mm)	L (mm)	W (mm)	H (mm)	×
D60	plain	62	—	—	40	2
D60S	plain, serial	64	15	—	40	2
D60SM	deep, serial	64	—	—	61	4
D70SZ	plain	72	—	—	36	9
D70SZT	plain, with lid	72	—	—	36	9
D70D	double	70	140	70	44	8
D70TRI	triple	70	212	70	44	12
D70/8	octagonal, serial	—	72	72	46	2







Protection lids for plastering

Ui 660 V | Ta -5..+40 °C | PS

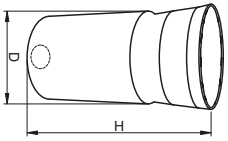
TRACON	Note	∅ (mm)
D60T	white, with spring	69
D70T	white, with spring	75
D80T	white, with spring	89
VAKFED60	red, with handle	65
VAKFED70	red, with handle	76

RELEVANT STANDARD
EN 60670

Universal installation box

Ui 660 V | Ta -10..+55 °C | PP

TRACON	H (mm)	D (mm)
UD70	110 - 130 - 160 mm	70



To be used on plastered and heat-insulated exterior walls.
Part [1] shall be sunk into the wall at least 40 mm, maximum 80 mm deep. Part [2] shall be inserted into part [1] with the brim adjusted at level with the external plane of the wall.

Box extension for subsequent wall isolation

Ui 660 V | Ta -10..+55 °C | PP

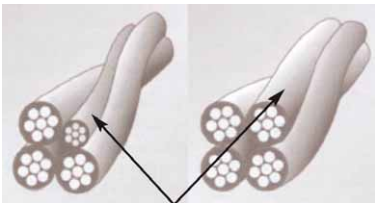
TRACON	H (mm)	D (mm)
UDT60	40 - 85 mm	70

Fittings for insulated aerial cable bounds

These fittings are applicable for quick installation on low voltage insulated aerial cables bounds, in which the neutral core can be loaded by the bound's own weight (e.g. 1-AES, EA2Y, KEVMEX-1, EX type cables), without switching off the live line. Using insulated fittings and insulated tools, the installation can be performed safely on live network.

The terminations between aerial bounded cables and side lines for houses are easy to perform with insulated piercing connectors. With these fittings work done on the public lighting system is also easy and safe, if the power supply is secured with the attendant core of the electric distribution line.

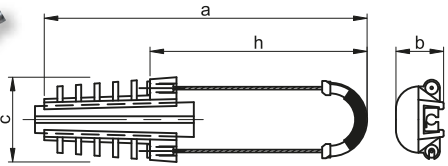
Conceptual schemes for aerial bounded cables with mechanically loaded neutral core: see drawings.



Neutral conductor of aerial cable bound

Strain clamps

TRACON	mm² N			a (mm)	b (mm)	c (mm)	h (mm)	
TSZK2-A	25-35 mm²	2,5 kN	4 kN	250	35	63	162	4 kV
TSZK2-B	50-120 mm²	2,5 kN	4 kN	420	55	100	275	4 kV



RELEVANT STANDARD
MSZ 275

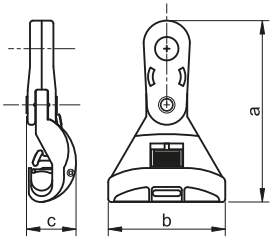
With insulated strain clamps the insulated conductor's straining to the pole can be completed fast and easily, without using any other tool. The neutral wire has to be placed on the gap at the rubber end of the outfit, and the metal clamp has to be hanged onto the hook on the pole. During straining the rubber tightens on the wire; the wire's weight creates the straining force.

Wire suspensors

TRACON	mm² N		a (mm)	b (mm)	c (mm)	
TSZK1-A	25-35 mm²	12 kN	120	83	40	4 kV
TSZK1-B	50-120 mm²	12 kN	152	100	40	4 kV

TSZK1-A
Fix, with screw

TSZK1-B
Jointed, with plate



The wire suspensors are used to hang the insulated aerial bounded conductors on the pole. The insulated neutral wire has to be placed simply on the suspensor's channel and the suspensor hanged onto the hook on the pole. With TSZK1-A type the mechanical loaded neutral core can be fixed onto the suspensor with a screw. At TSZK1-B type an adjustable plate holds the wire on the channel; its joint top makes possible to move the wire on level.

Insulated piercing connectors (IPC)

With insulated piercing connectors very fast and reliable connections can be created on the live line insulated aerial bounded networks. The rated voltage impulse resistance is at least 4 kV between the connection screw and contactor blades, what means high safety level for servicemen.

The mountable cover hat further increases the safety level, protects against dirt, dust and accidental touch. Mechanical contact is achieved by cutting through the wire's insulation; the contact blades are cutting trough the insulation properly, when the connecting screw has been pulled with correct tightening moment.

IPC with normal screw

TRACON				X
TSZL4-1	16-95 mm²	10-25 mm²	4 kV	1 × M8
TSZL4-2	70-95 mm²	70-95 mm²	4 kV	1 × M8
TSZL4-3	120-185 mm²	16-25 mm²	4 kV	1 × M8
TSZL4-4	70-185 mm²	70-185 mm²	4 kV	2 × M8

IPC with shear head-off screw

TRACON				X
TSZL6-1	25-95 mm²	2,5-25 mm²	6 kV	1 × M8
TSZL6-2	70-95 mm²	70-95 mm²	6 kV	1 × M8
TSZL6-3	120-185 mm²	10-25 mm²	6 kV	1 × M8
TSZL6-4	120-185 mm²	70-185 mm²	6 kV	2 × M8

LTT type Aerial wire distance keeper

TRACON	L	∅ mm
LTT	350 mm	max. 12 mm

PA6.6

RELEVANT STANDARD
MSZ 275

By using the LTT type aerial wire distance keeper the required distance between the low-voltage, non-insulated cables of 230/400 V aerial wire networks can be ensured between two poles. The aim is to prevent short circuits, operational disorders caused by strong displacement of air and heavy storms. The plastic aerial wire distance keeper keeps distance between the two wires about 350 mm. The wires are fixed into right position by a spring-force element.

TB Roof pole inlet

TRACON	∅ mm	L (mm)	W (mm)	D_1 (mm)	D_2 (mm)
TB-1.5	1,5 "	115	110	34 (1,5")	33 × 41
TB-2	2 "	115	110	44 (2")	33 × 41
TB-2.5	2,5 "	115	110	58 (2,5")	33 × 41

PA6.6

The roof pole inlets enable to conduct the insulated wires of electric power supply of 230/400 V into buildings through steel tubes penetrating the roof. At the same time, the roof pole inlet prevents the entry of rainwater and snow into the steel pipes. The inlets are manufactured in three sizes, for steel tubes of 1,5", 2" and 2,5". The plastic inlet consists of two parts; the lower bottom part – without using any fixing tools – is inserted into the steel tube of proper size. The upper half can be fixed by bolts, after placing and installation of the wires.