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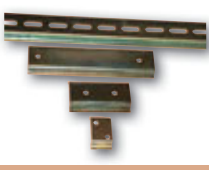
Cable connecting box 8



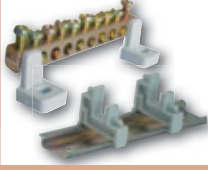
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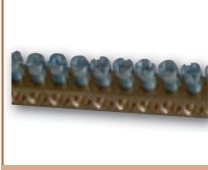
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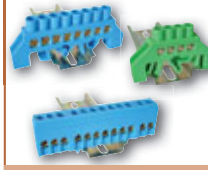
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TB Roof pole inlet 19

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		Terminal capacity mm ²		Ø mm Tube diameter
X 	Number of screws		Thread	xP 	Number of poles	x17.5 	Modules
	Solid, strained, fine wire	pcs 	Packing		Pin type		Spade
x 	Number of terminals		Sealing range		Main		Entry side
	Cross-section of rail		Max. load		Offered load		
	Mechanical loaded neutral core	CLICK 	Fixing of top: Clip-on		Cover: grey		

Pictograms of the technical data

230/400 V AC	Rated voltage (V)	 Ui 660 V	Rated insulation voltage		Material: ABS		Material: Polyamide 6.6
	Material: Polyethylene		Material: Polypropylene		Material: Copper		Material: PVC
 35x7.5	Can be install on mounting rail	V0 UL94	Flammability according to UL94	 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	Ta  -10...+55 °C	Ambient temperature
	with rubber membranes		Material: Polystyrene	Silicon free	Silicon free		Seal-leadable

Insulating tapes



PVC



40 kV/mm



Fsz
150 N/cm



Ft(N)
1.8 N/cm



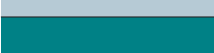
To
-0...+90°C



V2
UL94

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EN 60454

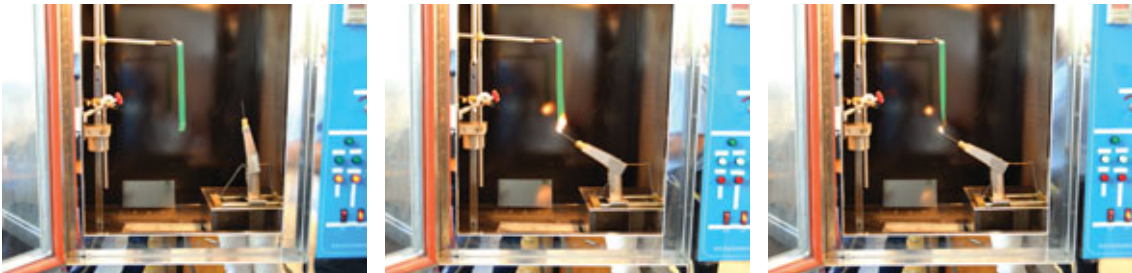
 Pictograms **M/O**

	 / 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



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		
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

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TRACON		
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.

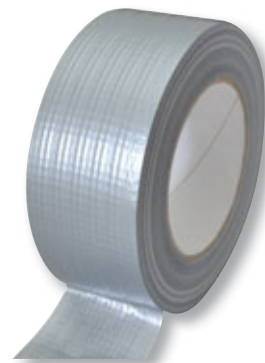


Special textile tape

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TRACON		
SV50	50 m × 50 mm	0,15 mm

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

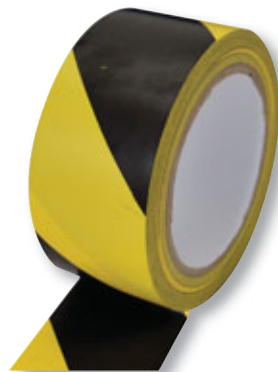


Floor marking tape for industrial applications

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TRACON		
BY50	33 m × 50 mm	0,15 mm

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

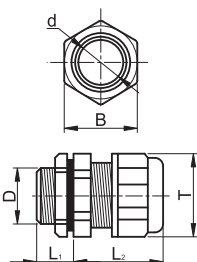


PG plastic cable glands



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 - 33	52	58	31	46	12	45
PG-42	30 - 38	57	62	37	51	17	47
PG-48	37 - 44	65	71	43	58	21	50

Connection thread: armour tube



Gasket with membrane for PG cable gland

TRACON		mm	mm
PG7-G	PG21-G	3,5-6	14-17,5
PG13,5-G	PG42-G	9-12	31-37
PG16-G	PG48-G	11-14	37-43



PG metal cable glands

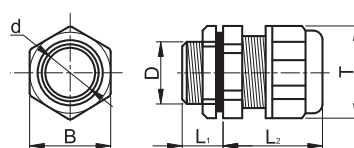


M/O

TRACON	mm	T (mm)	B (mm)	d (mm)	D (mm)	L ₁ (mm)	L ₂ (mm)
PGF-7	3.5 - 6.5	15	14	8	13	6	18
PGF-9	5 - 8	20	18	8.5	15.3	6	20
PGF-11	6 - 9.5	23	20	10.3	17.6	7	23
PGF-13,5	7 - 11.5	23	22	12	22	7	23
PGF-16	8 - 12	26	25	14	21.8	6	22
PGF-21	10 - 18	33	30	18.4	26.5	7	24
PGF-29	16 - 23	44	40	26	37	9	30
PGF-36	18 - 31.5	56	50	35	47.7	12	35
PGF-42	26 - 38	64	56	38	54	11	41
PGF-48	32 - 44	72	66	46	59.2	13	38

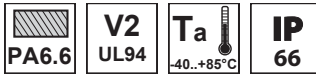
Connection thread: armour tube

Material: copper (chromed)

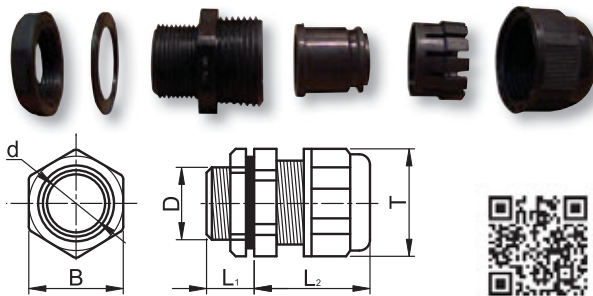


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MG plastic cable glands



TRACON			T (mm)	B (mm)	d (mm)	D (mm)	L ₁ (mm)	L ₂ (mm)
MG-12		3.5 - 7.5	18.3	17.3	7.6	M12	9	27
MG-16		5 - 10	22	21.7	10.6	M16	15	30
MG-20		6.5 - 14	29.5	27	14.5	M20	14	37
MG-25		12 - 18	32.6	32.6	18	M25	14	37
MG-32		15 - 24	40.6	40.5	26	M32	15	42
MG-40		21 - 30	49.4	48.9	30.8	M40	20	46
MG-50		30 - 40	62.1	60.6	40.6	M50	22.5	54
MG-63		40 - 50	81	76	52.5	M63	23.8	57



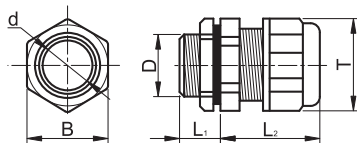
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MG metal cable glands



TRACON			T (mm)	B (mm)	d (mm)	D (mm)	L ₁ (mm)	L ₂ (mm)
MGF-12		3.5 - 6	15	14	6	M12	7	18
MGF-16		5 - 8	20	18	8.5	M16	7	20
MGF-18		6 - 9	22	20	10.5	M18	7.5	18.5
MGF-20		6.5 - 12	24	22	12	M20	8	22
MGF-25		12 - 14	29	27	16	M25	7	25
MGF-32		15 - 22	38	35	23	M32	7	26
MGF-40		21 - 31	56	50	32	M40	12	35
MGF-50		28 - 35	55	50	36	M50	10	40
MGF-63		40 - 44	70	65	46	M63	11	38

Material: copper (chromed)



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Metrical cable glands with strain relief and bend



V2
UL94



IP
66



Pictograms

M/O

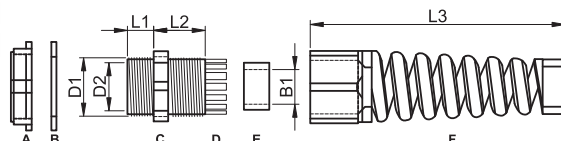
TRACON	mm	D ₁ (mm)	D ₂ (mm)	B ₁ (mm)	L ₁ (mm)	L ₂ (mm)	L ₃ (mm)
MG-12TG	3 - 6.5	M12 × 1.25	8.3	6	7.9	12.1	53.3
MG-16TG	5 - 10	M16 × 1.5	10.9	9.6	14.4	14.4	74.9
MG-20TG	10 - 14	M20 × 1.5	14.8	12.9	12.8	19.5	96.2
MG-25TG	13 - 18	M25 × 1.5	18.5	16.5	13.9	19.5	111.2



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.

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EN 60423



A – Tighten nut
B – Spacer

C – Body
D – Patented claw

E – Seal
F – Tighten nut with strain relief

Metrical constrictor screw



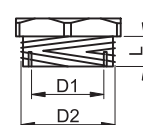
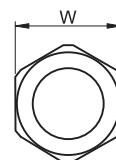
V2
UL94



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

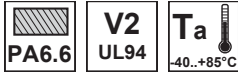


The constrictor screw is used when an installed hole is bigger than the outer tread of cable gland. A female tightening bolt is also available for constrictor screw. Check it on the next page!



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Female tightening bolts

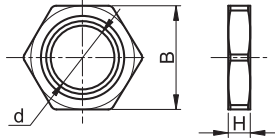


TRACON		B (mm)	d (mm)	H (mm)
MG-12-A	MG12	M12 × 1.5	17.5	5
MG-16-A	MG16	M16 × 1.5	22	7
MG-20-A	MG20	M20 × 1.5	26.5	7.5
MG-25-A	MG25	M25 × 1.5	33	8
MG-32-A	MG32	M32 × 1.5	40.5	8
MG-40-A	MG40	M40 × 1.5	49	10
MG-50-A	MG50	M50 × 1.5	60.5	9.5
MG-63-A	MG63	M63 × 1.5	73.5	11

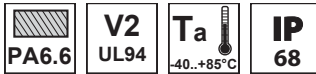
Female tightening bolts are applicable for fixing metrical cable glands, constrictor screws and closing caps onto holes on electric boxes.



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Metrical closing cap

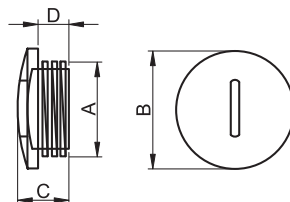


TRACON	A (mm)	B (mm)	C (mm)	D (mm)
TMZ-12	M12 × 1.5	15	10	6
TMZ-16	M16 × 1.5	20	10.5	6
TMZ-20	M20 × 1.5	24	10.5	6
TMZ-25	M25 × 1.5	29.7	12.8	7.8
TMZ-32	M32 × 1.5	36.6	13.3	7.8
TMZ-40	M40 × 1.5	45.8	13.4	7.8
TMZ-50	M50 × 1.5	55.5	16.2	9.8
TMZ-63	M63 × 1.5	69.3	17.5	11.8

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



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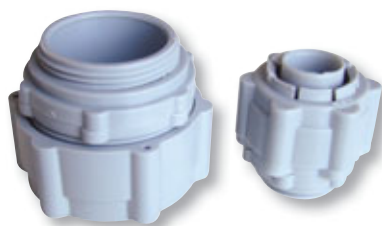
Cable gland for quick connection to corrugated tubes


V2
UL94

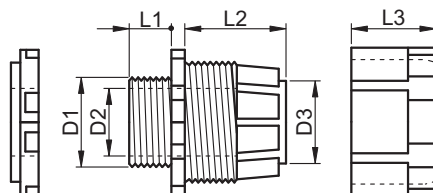

Pictograms

M/O

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

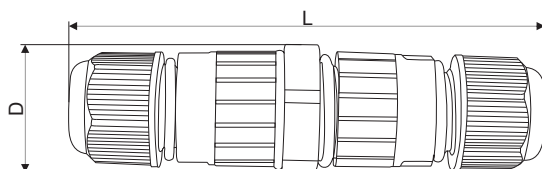

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To be applied for connection of corrugated tubes to distribution boxes.



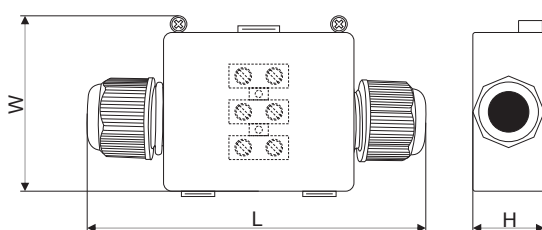
Cable connectors with cable gland

TRACON	 mm ²		L (mm)	D (mm)
CST1	3 × 1	PG9	68	21
CST25	3 × 2,5	MG20	74	26

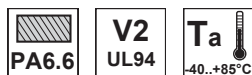

IP
65


Cable connecting box

TRACON	 mm ²		H (mm)	L (mm)	W (mm)
CSTBOX	3 × 1	PG9	32,5	116	42,5


IP
65


Wire markers



TRACON	mm ²		Type*	pcs
J020...J029	0.2...1.5	0, 1, ..., 9	A	10-100
J02-	0.2...1.5	-	A	10-100
J02+	0.2...1.5	+	A	10-100
J02GND	0.2...1.5		A	10-100
J02X	0.2...1.5	X	A	10-100
J02Y	0.2...1.5	Y	A	10-100
J150...J159	1.5...4	0, 1, ..., 9	A	10-100
J150P...J159P	1.5...4	0, 1, ..., 9	B	10-100
JSET	1.5...4	0, 1, ..., 9	A	10 × 50
J15A...J15Z	1.5...4	A, B, ..., Z	A	10-100
J15/	1.5...4	/	A	10-100

* A: to be pulled on the wire; B: to be snapped on the wire



TRACON	mm ²		Type*	pcs
J15-	1.5...4	-	A	10-100
J15+	1.5...4	+	A	10-100
J15GND	1.5...4		A	10-100
JSET/B	1.5...4	, A, B, J, 0, R, S, T, +, -	A	10 × 50
J40...J49	4...10	0, 1, ..., 9	A	10-100
J40P...J49P	4...10	0, 1, ..., 9	B	10-100
J4A...J4Z	4...10	A, B, ..., Z	A	10-100
J4-	4...10	-	A	10-100
J4+	4...10	+	A	10-100
J100...J109	10...25	0, 1, ..., 9	A	10-100



Self-adhesive marking labels

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

TRACON	Title	Marking label
JC01	1 st phase conductor on AC system	
JC02	2 nd phase conductor on AC system	
JC03	3 rd phase conductor on AC system	
JC04	Positive conductor on DC system	
JC05	Negative conductor on DC system	
JC06	Neutral conductor	
JC07	Middle conductor of DC system	
JC08	Detached protective conductor	

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



Connecting rails

230/400
V AC

500 V

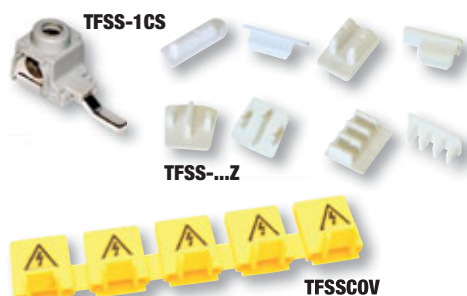
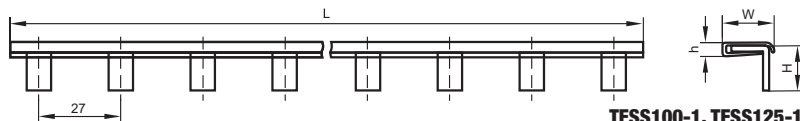
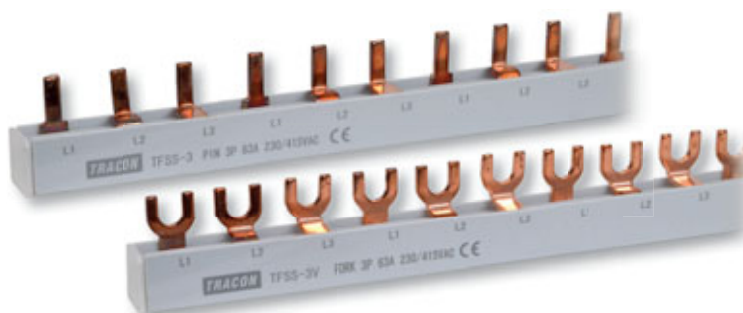
Ta
-40...+85°C

V0
UL94

Pictograms

M/O

TRACON	I_n	$A \text{ mm}^2$	$\times 17.5$	L (mm)	H (mm)	h (mm)	W (mm)	$\times P$
TFSS-1	max. 63 A	10 mm ²	56 mod.	1000	15.4	4.8	12.5	1
TFSS-1-12	max. 63 A	10 mm ²	12 mod.	215	15.4	4.8	12.5	1
TFSS-1+N	max. 63 A	10 mm ²	54 mod.	1000	19	9.2	21/15.3	1+N
TFSS-2	max. 63 A	10 mm ²	56 mod.	1000	29.4	17	10.4	2
TFSS-3	max. 63 A	10 mm ²	56 mod.	1000	29.5	18	21	3
TFSS-3-12	max. 63 A	10 mm ²	12 mod.	215	29.5	18	21	3
TFSS-4	max. 63 A	10 mm ²	56 mod.	1000	29.5	18.3	21.6	4
TFSS-1V	max. 63 A	10 mm ²	56 mod.	1000	14.8	5	15	1
TFSS-1V-12	max. 63 A	10 mm ²	12 mod.	215	14.8	5	15	1
TFSS-2V	max. 63 A	10 mm ²	56 mod.	1000	28.5	17	10.4	2
TFSS-3V	max. 63 A	10 mm ²	56 mod.	1000	28.5	17	15.5	3
TFSS-3V-12	max. 63 A	10 mm ²	12 mod.	215	28.5	17	15.5	3
TFSS-4V	max. 63 A	10 mm ²	56 mod.	1000	30	18.2	21.1	4
TFSS100-1	max. 100 A	25 mm ²	37 mod.	1000	13.7	4.5	16.8	1
TFSS125-1	max. 125 A	35 mm ²	37 mod.	1000	18.4	4.7	19.1	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 mm ²
TFSSCOV	Protection cover against accidental contact

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.

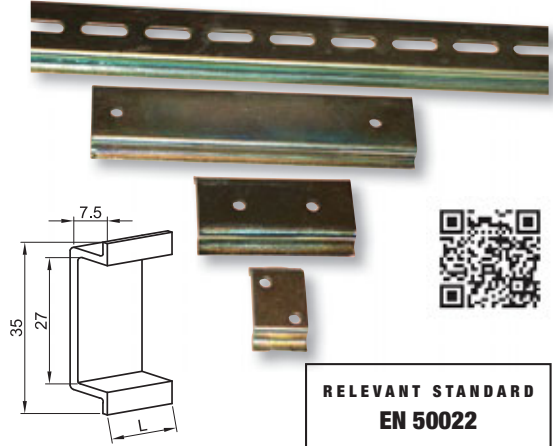
Mounting rails

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.



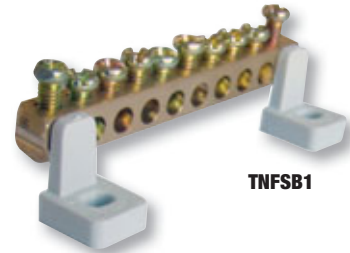
RELEVANT STANDARD
EN 50022

Copper rail holders

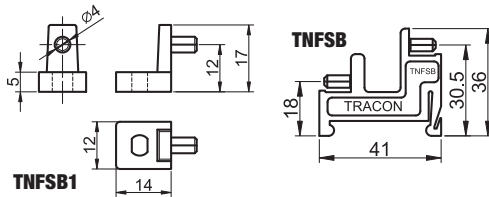
U_i	PA6.6	T_o	V1
660 V	PA6.6	-15...+55°C	UL94



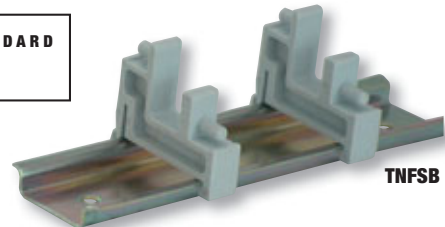
TRACON	Description	
TNFSB1	Copper rail holder for 1 pc rail	TNFS, TNFS10, TNFS16, TNFS25
TNFSB	Copper rail holder for 2 pcs rails	TNFS



TNFSB1



RELEVANT STANDARD
EN 50022



TNFSB

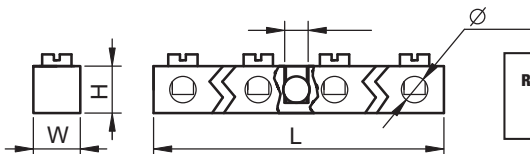
Copper rail (N/PE rail)

$230/400$ V AC	I_n max. 63 A	Cu
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TRACON	H (mm)	W (mm)	L (mm)	Ø (mm)	x 	mm ²
TNFS	8	8	1.000	4.6	152 × M4	10 6
TNFS10	10	6.1	1.000	4.3	166 × M4	10 6
TNFS16	10	6.1	1.000	5	133 × M4	16 6
TNFS25	12	8	1.000	7.4	101 × M5	25 16

RELEVANT STANDARD
EN 60998



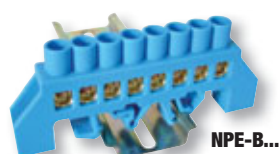
Insulated grounding rail

230/400 V AC	In max. 100 A	Ui 500 V	Cu	PA6.6	IP 20	Ta -40...+85°C	35x7.5	V1 UL94
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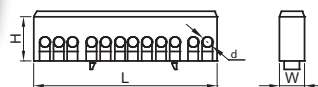
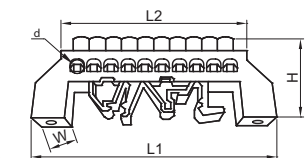


TRACON		x	In		mm ²	L (mm)	L ₁ (mm)	L ₂ (mm)	H (mm)	W (mm)	d (mm)	M	
NPE-ZB			12			88	—	—	26	13	5,5	M5	
NPE-ZG			12			88	—	—	26	13	5,5	M5	
NPE-B6-4	6 x 9	4	max. 63 A	2,5-16	2,5-10	—	49	34	35	10,5	5	M4	
NPE-B6-6		6				—	49	47	35	10,5	5	M4	
NPE-B6-8		8				—	70	60	35	10,5	5	M4	
NPE-B8-6		6				—	66	57	39	12,6	7	M5	
NPE-B8-8		8				—	79	34	28	10,5	7	M5	
NPE-B8-10	8 x 12	10	max. 100 A	4-35	4-25	—	100	91	39	12,6	7	M5	
NPE-B8-12		12				—	118	109	39	12,6	7	M5	
NPE-B8-14		14				—	134	137	39	12,6	7	M5	
NPE-G6-4	6 x 9	4	max. 63 A	2,5-16	2,5-10	—	49	34	35	10,5	5	M4	
NPE-G6-6		6				—	49	47	35	10,5	5	M4	
NPE-G6-8		8				—	70	60	35	10,5	5	M4	
NPE-G8-6		6				—	66	57	39	12,6	7	M5	
NPE-G8-8		8				—	79	34	28	10,5	7	M5	
NPE-G8-10	8 x 12	10	max. 100 A	4-35	4-25	—	100	91	39	12,6	7	M5	
NPE-G8-12		12				—	118	109	39	12,6	7	M5	
NPE-G8-14		14				—	134	136	39	12,6	7	M5	
NPE-Z-24*	6 x 9	24	max. 63 A	2,5-16	2,5-10	250	—	—	18,3	7,6	4x5,4+20x4,3	M4x20+M5x4	
NPE-Z-38*	8 x 12	38	max. 100 A	4-25	2,5-16	360	—	—	26,6	13,7	10x7,5+28x5,2	M6x10+M5x28	

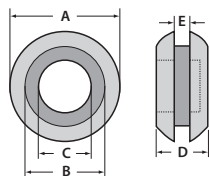
* For mounting plate installation



NPE-ZB, NPE-ZG



Cable sleeve (opened and closed)



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.

PVC	To -0...+90°C	V2 UL94	Silicon free
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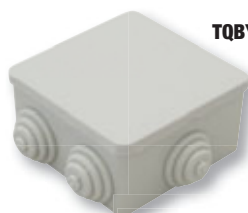


TRACON		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
BV0603	BVZ0603	8,5	6	3	4,7	1,7
BV0705	BVZ0706	10,2	7,2	5	4,4	1,7
BV1006	BVZ1006	13,3	10	6,4	6,3	1,7
BV1108	BVZ1108	15,5	11	7,8	9	3
BV1410	BVZ1410	19,5	13,9	10,5	6,4	3,4
BV2015	BVZ2015	23,7	20,1	15,5	6,1	1,7
BV2518	BVZ2518	29,9	25,1	18,9	7,2	1,5
BV3225	BVZ3225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

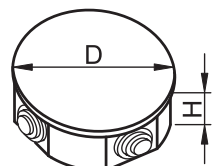
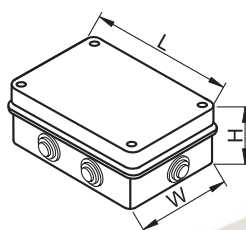
Surface-mounted connection boxes



TRACON	D (mm)	L (mm)	W (mm)	H (mm)	IP..		d1 (mm)	d2 (mm)	
TQBYD70	70	—	—	40	IP 44	TQBY2-GB	23	29	
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	
TQBY10105	—	100	100	50	IP 54	TQBY3-GB	29 ±1	35 ±1	
TQBY15117	—	150	110	70	IP 54	TQBY3-GB	29 ±1	35 ±1	
TQBY19148	—	190	145	80	IP 65	TQBY4-GB	38 ±1	44 ±1	
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



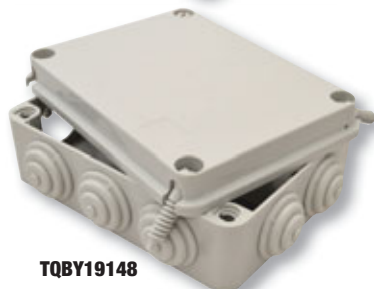
TQBY8125



TQBY10105



TQBY15117



TQBY19148



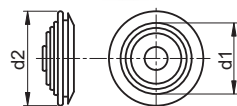
TQBY25209



TQBY312313



Rubber membranes



Electronics boxes



U_i
660 V



V1
UL94



ABS



T_o
-25...+60°C



CRACK
IK10



650
°C



RAL 7035



Pictograms

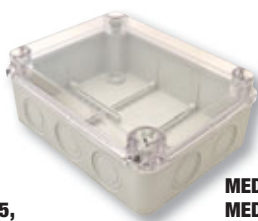
M/O

TRACON	W (mm)	L (mm)	H (mm)	IP..
MED884	80	80	40	IP 44
MED8125	80	120	50	IP 54
MED10105	100	100	50	IP 54
MED15117	150	110	70	IP 54
MED15117S*	150	110	70	IP 54
MED19148	190	145	80	IP 67
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



MED19148T,
MED25209T,
MED312313T



MED19148,
MED25209,
MED312313

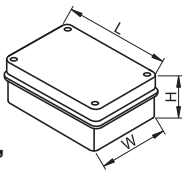


Diagram showing dimensions: L (Length), W (Width), H (Height).



Easy open plastic boxes



U_i
660 V



T_a
-10...+55 °C



V1
UL94



IP
55



ABS



Pictograms

M/O

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	228 × 210 mm

RELEVANT STANDARD
EN 60670

RELEVANT STANDARD
EN 60423

Plastic installation boxes



Pictograms

M/O



TRACON

L
(mm)W
(mm)H
(mm)

IP..



DN200X200

200

200

85

IP 44

× 2

DN250X250

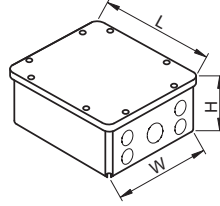
250

250

110

IP 44

× 4



Elastic boxes placed outside the wall



Pictograms

M/O



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

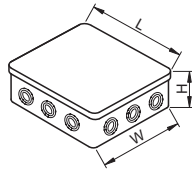
100

40

IP 54

× 12

RELEVANT STANDARD
EN 60670



Rigips boxes



Pictograms

M/O



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

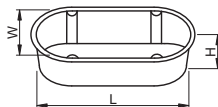
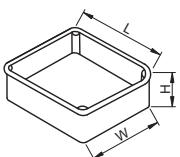
GD71D

double installation box

140

65

45



GD71D



GD6021



GD100



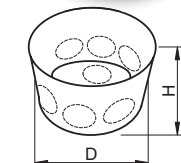
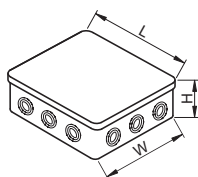
Sunk-in perforated connection boxes



Pictograms

M/O

TRACON		D (mm)	H (mm)	W (mm)	L (mm)	H (mm)
D70	plain	70	45	—	—	—
D70SET	with lid	70	45	—	—	—
D80	plain	80	45	—	—	v
D80X80	Square	—	—	76	97	51.5
D100X100	Square	—	—	100	116	51.5
D150X150	Square	—	—	150	166	65.3



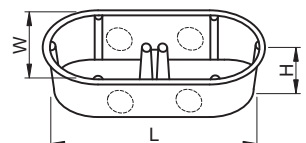
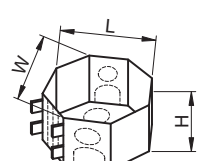
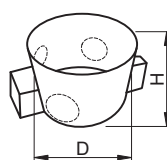
Sunk-in perforated installation boxes



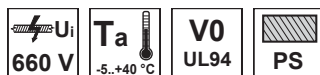
Pictograms

M/O

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



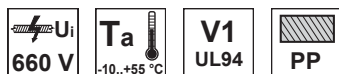
TRACON	Note	Ø (mm)
D60T	white, with spring	69
D70T	white, with spring	75
D80T	white, with spring	89
VAKFED60	red, with handle	65
VAKFED70	red, with handle	76



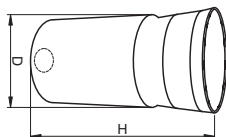
RELEVANT STANDARD
EN 60670



Universal installation box



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

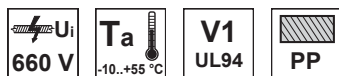


To be used on plastered and heat-insulated exterior walls.

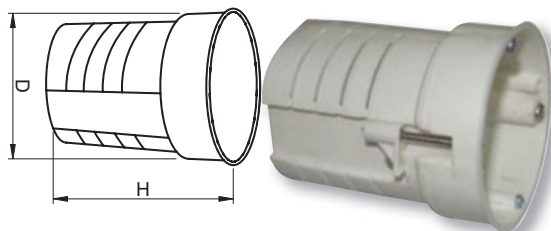
Part [1] shall be sunk into the wall at least 40 mm, maximum 80 mm deep. Part [2] shall be inserted into part [1] with the brim adjusted at level with the external plane of the wall.



Box extension for subsequent wall isolation



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

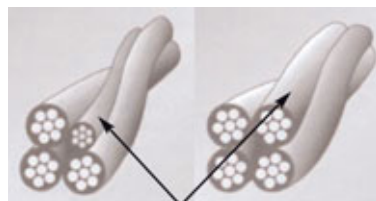


Fittings for insulated aerial cable bounds

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.

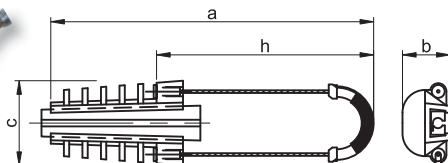
Conceptual schemes for aerial bounded cables with mechanically loaded neutral core: see drawings.



Neutral conductor of aerial cable bound

Strain clamps

TRACON				a (mm)	b (mm)	c (mm)	h (mm)	
TSZK2-A	25-35 mm ²	2,5 kN	4 kN	250	35	63	162	4 kV
TSZK2-B	50-120 mm ²	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			a (mm)	b (mm)	c (mm)	
TSZK1-A	25-35 mm ²	12 kN	120	83	40	4 kV
TSZK1-B	50-120 mm ²	12 kN	152	100	40	4 kV



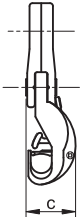
TSZK1-A
Fix, with screw

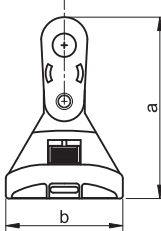


TSZK1-B
Jointed, with plate







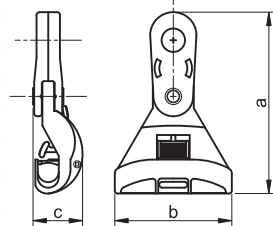




TSZK1-A
Fix, with screw



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 mechanically 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				
TSZL4-1	16-95 mm ²	10-25 mm ²	4 kV	1 × M8
TSZL4-2	70-95 mm ²	70-95 mm ²	4 kV	1 × M8
TSZL4-3	120-185 mm ²	16-25 mm ²	4 kV	1 × M8
TSZL4-4	70-185 mm ²	70-185 mm ²	4 kV	2 × M8



IPC with shear head-off screw

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



LTT type Aerial wire distance keeper

TRACON		
LTT	350 mm	max. 12 mm

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.



PA6.6

RELEVANT STANDARD
MSZ 275

TB Roof pole inlet

TRACON	
TB-1.5	1,5 "
TB-2	2 "
TB-2.5	2,5 "



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.

