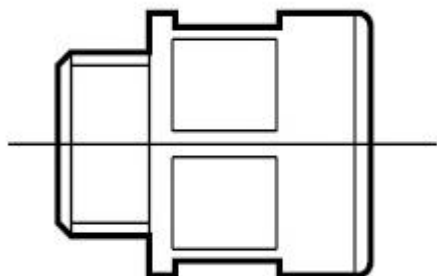


TILOK TKM connectors

Straight male connectors

Item codes : from 387860 to 387865



SUMMARY

PAGES

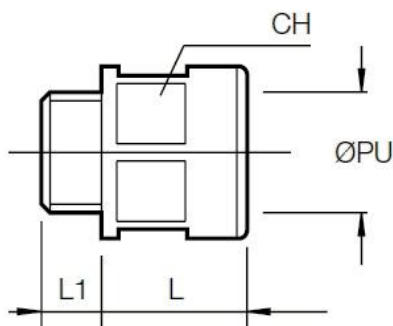
1. Description and applications	1
2. Dimensions and compatibility	1
3. Technical features	1
4. Environmental profile	2
5. Conformity and approvals	2

1. DESCRIPTION AND APPLICATIONS

Straight metal male patented connector with fast coupling system to connect rigid pipes and boxes. Suitable for most applications it ensures the connection of pipes with high mechanical and thermal performances, high resistance to traction and torque and a good resistance to vibration. Used together with TAZ or TAIX conduits and it guarantees an IP68 protection index with a good tightening and a fast patented coupling system. It's the ideal solution for energy, signal or power distribution in industrial, commercial, infrastructures and residential applications.

2. DIMENSIONS AND COMPATIBILITY

Dimensions and packaging:

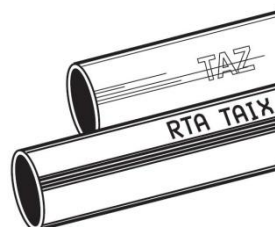


Item TKM	Conduit diam. [mm]*	THR	Dimensions [mm]				Pack [pcs]
			ØPU	CH	L	L1	
387860	16	M16	12,5	24,0	26,0	10,0	15
387861	20	M20	16,5	28,0	27,0	11,0	10
387862	25	M25	21,5	33,0	29,0	11,0	10
387863	32	M32	27,0	40,0	30,0	12,5	5
387864	40	M40	35,0	50,0	32,0	13,0	5
387865	50	M50	45,0	59,0	47,0	13,0	3

* External diameter of the pipe

Compatibility:

Conduits TAZ and TAIX series, metal accessories and equipments.



Patent:

All the TILOK connectors have a patented quick system to be coupled with the rigid metal pipes. The patented quick system works without any tools and ensures a protection index IP68 (used with TAZ or TAIX conduits).

**PATENT
LEGRAND**

3. TECHNICAL FEATURES

Raw material:

Body: nickel plated brass UNI EN 12164 CW 614N with nickel plating $2 \pm 5 \mu\text{m}$.

Gasket: Thermosetting elastomeric.

Resistance to corrosion:

Represents the resistance to corrosion in different environments: all 2000METAL connectors have been subjected to the corrosion tests. Resistance to corrosion in neutral saline mist in according to UNI ISO 9227 (pluviometric index 1,8 ml/hours): no signs of corrosion after 192 hours.

Resistance to corrosion in constant damp humidity in according to DIN 50017 SK (conditions: 38 °C / 100 °F with 100% of relative humidity): no signs of corrosion after 1000 hours.

Straight male connectors

Operating temperature:

Minimum: -25° C / -13° F

Maximum: +150° C / +302° F








Electric properties:

Electric continuity guaranteed.

IP protection index:

IP68 with TAZ and TAIX series conduits.

1 st digit IP	
Protection against the ingress of solid bodies	
	0 No protection
	1 Protection against solid bodies larger than 50 mm (e.g.: accidental contact)
	2 Protection against solid bodies larger than 12 mm (e.g.: finger)
	3 Protection against solid bodies larger than 2.5 mm
	4 Protection against solid bodies larger than 1 mm
	5 Protection against dust
	6 Complete protection against dust

2 nd digit IP	
Protection against the ingress of liquids	
	2 Protection against drops of water falling at up to 15° from the vertical
	3 Protection against drops of rain water at up to 60° from the vertical
	4 Protection against sprays of water from all directions
	5 Protection against jets of water from all directions
	6 Protection against jets of water of similar force to heavy seas
	7 Protection against the effects of immersion
	8 Protection against prolonged effects of immersion under pressure

Thread types and dimensions:

ISO THREAD (EN 60423)							
Dimensions in mm							
Threads				Outside thread		Inside thread	
Thread size	Pitch	Outside diam.	Medium diam.	Core diam.	Outside diam.	Medium diam.	Inside diam.
	P	d	d ₂	d ₁	D	D ₂	D ₁
M12	1,5	11,968	10,994	10,128	12	11,026	10,376
M16	1,5	15,968	14,994	14,128	16	15,026	14,376
M20	1,5	19,968	18,994	18,128	20	19,026	18,376
M25	1,5	24,968	23,994	23,128	25	24,026	23,376
M32	1,5	31,968	30,994	30,128	32	31,026	30,376
M40	1,5	39,968	38,994	38,128	40	39,026	38,376
M50	1,5	49,968	48,994	48,128	50	49,026	48,376
M63	1,5	62,968	61,994	61,128	63	62,026	61,376

4. ENVIRONMENTAL PROFILE

All the items identified in this technical sheet respect in terms of concentration of substances and raw materials the European legislations about dangerous and forbidden substances and chemical preparations.

5. CONFORMITY AND APPROVALS



All the items identified in this technical sheet are compliant to all the requirements and the regulations currently in force in the European Union about safety, health and environmental issues.



IMQ mark: items from 387860 to 387865.



RINA mark: items from 387860 to 387865.

For technical documentation, test reports, commercial information or any other needs please refer to the local LEGRAND office.