



SZUTEST Uygunluk Değerlendirme A.Ş., İstanbul, Türkiye  
Onaylanmış Kuruluş 2195



## (1) EU-TYPE EXAMINATION CERTIFICATE (Annex III – Module B)

(2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **2195 25 ATEX 048 U**

(4) Equipment or Protective System : **Cable glands for non-armored circular cables /  
Cable glands for Armored circular cables**

Model No: **421 Series / 453 Series (Refer to Appendix A & B)**

(5) Manufacturer/Applicant: **Tavan Omran Sanat Samaneh Company (Ltd.)**

(6) Manufacturer/Applicant Address: **No. 154, Zone E2, Special Economic Area, Before Fasa Bridge Police Station, Shiraz, Iran.**

(7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents there in referred to.

(8) Szutest Uygunluk Değerlendirme A.Ş Notified Body number 2195 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number.  
Rapor No/Report No: SZUTEST-25313UR03-Rev00  
Tarih/Date: 09.11.2025

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015, EN IEC 60079-31:2024**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

(11) The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(12) Marking of the equipment or protective system must include the following;



**II 2G Ex db IIC Gb, II 2G Ex eb IIC Gb, II 2D Ex tb IIIC Db**

Yayın Tarihi: 17.11.2025  
Issue Date

Revizyon Tarihi/No: 00  
Revision Date



Rukiye BALKAN  
Genel Müdür Yardımcısı  
Deputy General Manager



SZUTEST Uygunluk Değerlendirme A.Ş., İstanbul, Türkiye  
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(13) ANNEX

(14) EU-Type Examination Certificate Number: **2195 25 ATEX 048 U**

(15) **Description of Equipment and/or Protective System:** The 421 cable glands series made of brass/stainless steel have two type of protection "Ex d" and "Ex e" and also dust ignition protection by "Ex t" and can be used for hazardous areas and allow direct insertion of circular non-armoured cables into enclosures, lighting fixtures, and other equipment. The 453 cable glands series made of brass/stainless steel have two type of protection "Ex d" and "Ex e" and also dust ignition protection by "Ex t" and can be used for hazardous areas and allow direct insertion of circular armoured cables into enclosures, lighting fixtures, and other equipment.

## Appendix A:

Models/Series Identification: **421-\*-\***

Order code	421	*	-	*
Parameter		a		b

Parameter	Description	Parameter designation		
	Product type	421 series Non armored circular cables		
a	Body size of Gland	Reference	Metric size	NPT size
		16	M16x1.5	1/2 NPT
		20S	M20x1.5	1/2 NPT
		20	M20x1.5	1/2 NPT or 3/4 NPT
		25	M25x1.5	3/4 NPT or 1 NPT
		32	M32x1.5	1 NPT or 1 1/4 NPT
		40	M40x1.5	1 1/4 NPT or 1 1/2 NPT
		50S	M50x1.5	1 1/2 NPT or 2 NPT
		50	M50x1.5	2 NPT or 2 1/2 NPT
		63S	M63x1.5	2 NPT or 2 1/2 NPT
		63	M63x1.5	2 1/2 NPT or 3 NPT
		75S	M75x1.5	2 1/2 NPT or 3 NPT
		75	M75x1.5	3 NPT or 3 1/2 NPT
		90	M90x1.5	3 1/2 NPT or 4 NPT
b	Thread size of adaptor		M16x1.5	1/2 NPT
			M20 x1.5	3/4 NPT
			M25x1.5	1 NPT
			M32x1.5	1 1/4 NPT
			M40x1.5	1 1/2 NPT
			M50x1.5	2 NPT
			M63x1.5	2 1/2 NPT
			M75x1.5	3 NPT
			M90x1.5	3 1/2 NPT
				4 NPT

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# SZUTEST



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(13) ANNEX

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(15) Description of Equipment and/or Protective System: Continued.

## Appendix B:

Models/Series Identification: **453-\*.\***

Order code	453	*	-	*
Parameter		a		b

Parameter	Description	Parameter designation		
	Product type	453 series armored circular cables		
a	Body size of Gland	Reference	Metric size	NPT size
		16	M16x1.5	1/2 NPT
		20o	M20x1.5	1/2 NPT
		20	M20x1.5	1/2 NPT or 3/4 NPT
		25	M25x1.5	3/4 NPT or 1 NPT
		32	M32x1.5	1 NPT or 1 1/4 NPT
		40	M40x1.5	1 1/4 NPT or 1 1/2 NPT
		50	M50x1.5	2 NPT
		63	M63x1.5	2 1/2 NPT
		75	M75x1.5	3 NPT
		90S	M90x1.5	3 1/2 NPT
		90	M90x1.5	3 1/2 NPT
b	Thread size of adaptor		M16x1.5	1/2 NPT
			M20 x1.5	3/4 NPT
			M25x1.5	1 NPT
			M32x1.5	1 1/4 NPT
			M40x1.5	1 1/2 NPT
			M50x1.5	2 NPT
			M63x1.5	2 1/2 NPT
			M75x1.5	3 NPT
			M90x1.5	3 1/2 NPT

(15.1) Models, Serial No: **421 Series / 453 Series** (Refer to Table A & B)

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(13) ANNEX

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(15) **Description of Equipment and/or Protective System:** Continued.

(15.2) Part list description: Refer to Technical Compliance File

(15.3) Ratings: Not applicable

(15.4) Ambient temperature and temperature class:

Ambient temperature is  $-30^{\circ}\text{C} \leq T_{amb} \leq +55^{\circ}\text{C}$

The temperature class of component is not applicable.

(15.5) Degree of protection (IP code): IP66/67

(15.6) Warnings: Not used.

(16) **Reference Report Number:**

(16.1) The manufacturer as the holder of this EU type examination certificate, is required to comply with the production control requirements in accordance with the directive 2014/34/EU for marketing its product.

(16.2) **Routine Test:** Not applicable

(16.3) **Installation conditions:**

The equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified in clause 1 of EN 60079-0. Installation and use in atmospheric and environmental conditions that are out of the above-mentioned intervals request special considerations and additional measures by the side of the installer or user:

These should be specified to the manufacturer by the user;

It is not a requirement of the applicable standards listed in (9) that the certification body confirms suitability for the adverse conditions. Installation of equipment shall be done according to EN 60079-14 Standard requirements.

(17) **Schedule of Limitations:**

- The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.
- The coupling of the cable glands to the enclosure and torque values of clamping nut shall be made as indicated by the manufacturer in the documents in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.
- The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.
- The cable gland installation shall be done in such a way that the temperature at the mounting point will remain within the service temperature ranges declared in this certificate.
- If necessary, sealing rings or washers have to be replaced with new ones (original spare parts only).
- The cable glands are suitable for  $-30^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$  ambient temperature range.

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**(18) Essential Health and Safety Requirements:**

Covered by standards listed at 9.

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in (9).

This Certificate does not cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered EN 60079-0:2018.

**(19) Documentation List:**

No	File Name	Received Date	Rev.
01	Company Profile	25.10.2025	00
02	Description of product	25.10.2025	00
03	Product Design	25.10.2025	00
04	Risk Analysis	25.10.2025	00
05	User Guideline	25.10.2025	00
06	Result of Design	25.10.2025	00
07	Test Report & Test Record	25.10.2025	00

(20) Variation: 1st issue

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