



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	IECEx FTZU 22.0003X	Page 1 of 3	<u>Certificate history:</u>
Status:	Current	Issue No: 0	
Date of Issue:	2022-05-31		
Applicant:	LIMATHERM S.A. ul. Tarnowska 1 Limanowa 34-600 Poland		
Equipment:	Blanking element type SP-XX-XX-X		
Optional accessory:			
Type of Protection:	flameproof enclosure "d", increased safety "e", dust protection "t"		
Marking:	Ex db I Mb or Ex eb I Mb Ex db IIC T3 Gb or Ex eb IIC T3 Gb Ex tb IIIC T150...180°C Db		

Approved for issue on behalf of the IECEx  
Certification Body:

Dipl. Ing. Lukáš Martinák

Position:

Head of the Certification Body

Signature:  
(for printed version)

*J. Štůck*  
2022-05-31

Date:  
(for printed version)



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2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

Fyzikálně technický zkušební ústav  
(Physical -Technical Testing Institute)  
Pikartska 7, 71607 Ostrava - Radvanice  
Czech Republic





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Manufacturer: **LIMATHERM S.A.**  
ul. Tarnowska 1  
Limanowa 34-600  
Poland

Manufacturing  
locations: **LIMATHERM S.A.**  
ul. Tarnowska 1  
Limanowa 34-600  
Poland

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[CZ/FTZU/ExTR22.0003/00](#)

Quality Assessment Report:

[CZ/FTZU/QAR11.0004/08](#)





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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is a blanking element (stopping plug) type SP-XX-XX-X and it is designed to close unused threaded cable entries.

Used structural material – carbon steel zinc plated or stainless steel. There is a tool recess for fitting in the equipment body.

For technical specification and code marking see tables below:

Thread size	Type of o-ring	Sealing material	Degree of protection
½ NPT	-	-	IP66/68
¾ NPT	-	-	
M20 x 1.5	Ø 18 x 2	VMQ; FKM	
M24 x 1.5	Ø 22 x 2		
M25 x 1.5	Ø 23 x 2		
M27 x 2	Ø 23 x 2		

Code Marking: SP - XX - XX - X

	XX	XX	X
	Thread size	Material of body	Type of sealing
SP	N2 = ½ NPT N3 = ¾ NPT M2 = M20 x 1.5 M24 = M24 x 1.5 M25 = M25 x 1.5 M27 = M27 x 2	CS = Carbon steel SS = Stainless steel	4 = VMQ 5 = FKM

## SPECIFIC CONDITIONS OF USE: YES as shown below:

- Ambient temperature range:  
-60°C ≤ Ta ≤ +150°C – with VMQ sealing,  
-20°C ≤ Ta ≤ +180°C – with FKM sealing.
- The blanking elements must not to be used with a thread adapter or reducer.
- When used for Ex db purposes, plugs with "M" threads must be equipped with a non-removable and non-compressible washer.
- To ensure tightness and degree of protection IP 66 / IP 68, a minimum of 5 threads in engagement must be observed for "M" threads and 3.5 threads in engagement for "NPT" threads.
- Every time when the blanking element is uncreased from enclosure, the sealing shall be changed.

