

[1] **7th Addition to
EC-TYPE EXAMINATION CERTIFICATE IBExU01ATEX1041 X**
(Translation)



- [2] Equipment: Cable entry
Type SKINTOP[®] MS-M** ATEX *** and SKINTOP[®] MSR-M** ATEX ***
- [3] Manufacturer: U. I. Lapp GmbH
- [4] Address: Schulze-Delitzsch-Straße 25
70565 Stuttgart
GERMANY

[5] **Additions/Modifications**

The Cable entries type SKINTOP[®] MS-M** ATEX *** and SKINTOP[®] MSR-M** ATEX *** mentioned under [2] and already certified with EC-Type Examination Certificate IBExU01ATEX1041 X including 1st up to 6th Addition are manufactured in future according to the standards EN 60079 and EN 61241.

All electrical and mechanical parameters remain unchanged.

[6] **Description of the component**

The Cable entries SKINTOP[®] MS-M** ATEX *** and SKINTOP[®] MSR-M** ATEX *** are suitable for dust tight and waterproof cable insertions (IP 66 according to EN 60529) in the mechanical and instrument engineering, instrumentation and control, chemical industry and plant construction, especially for fixed installed cables in potentially explosive atmospheres.

The Cable entries SKINTOP[®] MS-M** ATEX *** and SKINTOP[®] MSR-M** ATEX *** (with reduced seal insert) consist of distance piece and cover nut of brass, the PA insert with lamella cage of polyamide, the sealing ring for the lamella cage of CR/NBR as well as the o-ring for the connection side.

Type series:

Type designation	Thread size	Cable diameter (mm)	Torque (Nm)
SKINTOP [®] MS-M12 ATEX ***	M12 x 1.5	3-7	7
SKINTOP [®] MS-M16 ATEX ***	M16 x 1.5	4.5-10	7
SKINTOP [®] MS-M20 ATEX ***	M20 x 1.5	7-13	12
SKINTOP [®] MS-M25 ATEX ***	M25 x 1.5	9-17	12
SKINTOP [®] MS-M32 ATEX ***	M32 x 1.5	11-21	17
SKINTOP [®] MS-M40 ATEX ***	M40 x 1.5	19-28	17
SKINTOP [®] MS-M50 ATEX ***	M50 x 1.5	26-35	20
SKINTOP [®] MS-M63 ATEX ***	M63 x 1.5	34-45	20
SKINTOP [®] MS-M63 PLUS ATEX ***	M63 x 1.5	44-55	30

Type designation (design with reduced seal insert)	Thread size	Cable diameter (mm)	Torque (Nm)
SKINTOP [®] MSR-M12 ATEX ***	M12 x 1.5	2-5	7
SKINTOP [®] MSR-M16 ATEX ***	M16 x 1.5	4-7	7
SKINTOP [®] MSR-M20 ATEX ***	M20 x 1.5	5-10	12
SKINTOP [®] MSR-M25 ATEX ***	M25 x 1.5	6-13	12
SKINTOP [®] MSR-M32 ATEX ***	M32 x 1.5	7-15	17
SKINTOP [®] MSR-M40 ATEX ***	M40 x 1.5	16-23	17
SKINTOP [®] MSR-M50 ATEX ***	M50 x 1.5	19-29	20
SKINTOP [®] MSR-M63 ATEX ***	M63 x 1.5	32-39	20

*** = Manufacturer's indications without special meaning for the explosion protection (e. g. longer connection threads)

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An-Institut der TU Bergakademie Freiberg

Operating temperature range: -30 °C up to +90°C
Degree of protection
according to EN 60529: IP 66, IP 68 (10 bar, 30 min)

To close unneeded Cable entries type SKINTOP® MS-M** ATEX *** respectively SKINTOP® MSR-M** ATEX *** the respective Sealing plug SKINTOP® SDV-M** ATEX *** respectively SKINTOP® SDVR-M** ATEX *** can be used.

Technical data Sealing plugs:

Type series SDV-M**: M12, M16, M20, M25, M32, M40, M50 and M63
Type series SDVR-M**: M16, M20, M25 and M32
Operating temperature range: -30 °C up to +70 °C
Degree of protection
according to EN 60529: IP 66, IP 68 (10 bar, 30 min)

[7] Test report

The proof of explosion protection of the Addition mentioned under [5] is recorded in the test report IB-07-3-231 of 09 November 2007. The test documents are part of the test report.

[8] Test result

IBExU certifies that the equipment mentioned under [2] fulfils the Essential Health and Safety Requirements given in Annex II to the Directive 94/9/EC by compliance with EN 60079-0:2006, EN 60079-7:2007, EN 61241-0:2006 and EN 61241-1:2004.

This 7th Addition to the EC-Type Examination Certificate IBExU01ATEX1041 X also takes into account a summary of all results until now explained in the EC-Type Examination Certificate IBExU01ATEX1041 X and the Additions 1 up to 6.

The Cable entries type SKINTOP® MS-M** ATEX *** and SKINTOP® MSR-M** ATEX *** mentioned under [2] fulfil, also in combination with the Sealing plugs SKINTOP® SDV-M** ATEX *** respectively SKINTOP® SDVR-M** ATEX *** , the requirements of explosion protection for equipment of Group II, Category 2G, type of protection Increased safety „e“ as well as of Category 1D, type of protection Protection by enclosures „tD“.

The marking of the equipment mentioned under [2] shall include the following:

⊕ II 2G Ex e II

⊕ II 1D Ex tD A20 IP 6X

[9] Special conditions

- The Cable entries SKINTOP® MS-M** ATEX *** and SKINTOP® MSR-M** ATEX *** may only be used for non-armoured and non-braided cables and only for fixed installations.
- The Sealing Plugs type SKINTOP® SDV-M** ATEX *** respectively SKINTOP® SDVR-M** ATEX *** may only be used in combination with the appropriate Cable entry SKINTOP® MS-M** ATEX *** and SKINTOP® MSR-M** ATEX ***.
- The service temperature must not exceed 90 °C at the Cable entry and 70 °C at the Sealing plug.

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Freiberg, 09 November 2007

Authorised for certifications
-Explosion protection-

By order

(Dr. Lösch)



(ID no. 0637)

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.