



Product Service



(1) **EU-Type Examination Certificate**

(2) Equipment or Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

TPS 18 ATEX 102111 0005 U Rev. 00

(4) Component: Thread adapters
Type: SAX series

(5) Manufacturer: Shimada Electric Co., Ltd.

(6) Address: 2-29-6, Nakaikegami Ota-ku, Tokyo, 146-0081, Japan

(7) This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) TÜV SÜD Product Service GmbH, Notified Body no. 0123, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports with no. 70.520.18.131.01

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

EN 60079-0: 2012 + A11: 2013 EN 60079-1: 2014

EN 60079-7: 2015 EN 60079-31: 2014

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

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2G Ex db eb IIC Gb

II 2D Ex tb IIIC Db IP66

Certification Office Of Explosion Protection

München, 06.12.2018

Ing. Kristof De Gerssem, MSc.

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT

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Schedule

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The external thread diameter of the adapter can be one step or 2 steps, or 3 steps, or 4 steps, or 5 steps, or 6 steps bigger than the internal thread diameter of the adapter.

Model difference:

Internal threads and external threads are different according to schedule drawing table.

Technical data:

Metric thread size	M20x1.5, M25x1.5, M32x1.5, M40x1.5, M50x1.5, M63x1.5, M75x1.5, M80x1.5
NPT thread	1/2 NPT, 3/4 NPT, 1 NPT, 1-1/4 NPT, 1-1/2 NPT, 2 NPT, 2-1/2 NPT, 3 NPT
Service temperature	-60°C~+80°C
Degree of protection by enclosure	IP66 (tested according to EN / IEC 60079-0)

Warning label:

No warning words.

Installation instruction:

See installation instructions provided by the manufacturer and part of this certification.

See also (17) Special conditions for safe use.

(16) Test report(s): 70.520.18.131.01

Routine tests:

No routine tests.

Document List:

File no.:	Description:	Pages:	Rev:	Date:
GA60034	Outdoor and indoor adaptors overview drawing	1	0	2018-11-21
GA60035	Outdoor and indoor adaptors body	1	0	2018-11-21
GA60034-1	Outdoor and indoor adaptors marking drawing	1	0	2018-11-20
TS20150E	User Manual	4	0	2018-11-20

Certificates without signature shall not be valid. The Certificates may only be circulated in full including its schedule(s). Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH. In case of dispute, the German text shall prevail. The document is administrated under the following number: EX5A 18 102111 0005 Rev. 00

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File no.:	Description:	Pages:	Rev:	Date:
EU Written Attestation of Conformity	EU Written AoC TPS 18 ATEX 102111 ... X	1	draft	draft

A copy of the full documentation is kept confidentially at TÜV SÜD files.

(17)

Schedule of limitations:

1. The sign "U" placed after the certificate number indicates that the certificate must not be mistaken with a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or a protective system.
2. The flame proof joints only can be maintenance and repaired by manufacturer.
3. Service temperature is - 60°C~ +80°C.
4. When the adapters are used for increased safety purpose, the entry threads shall be suitable sealed to maintain the ingress protection rating of the associated enclosure.

(18)

Essential health and safety requirements:

Assured by compliance with standards set out in (9).