(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 19 ATEX 102111 0007 X Rev. 00

- (4) Equipment or Protective System: Conduit Hubs Type: SXCH series
- (5) Manufacturer:

SHIMADA ELECTRIC Co., Ltd.

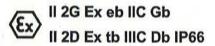
- (6) Address:
- 2-29-6, Nakaikegami Ota-ku, Tokyo, 146-0081, Japan
- (7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) TÜV SÜD Product Service GmbH, Notified Body no. 0123, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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. 70.520.19.030.01

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

EN 60079-0: 2012+A11: 2013 EN 60079-7: 2015 EN 60079-31: 2014

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



Certification Office Of Explosion Protection

München, 21.05.2019

Ing. Kristof De Gersem, MSc.

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Product Service

EU-Type Examination Certificate no.

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Certificate History

Revision: Description:		Report no.:	Issue Date:	
Rev. 00	First issue.	70.520.19.030.01	21.05.2019	

(15)Description of equipment:

The SXCH - series type conduit hubs can be used outdoor and indoor.

They consist of a main body and an O-ring fixed in a groove, The main body is made of brass material and stainless steel material. The O-ring is made of NBR or Si. The Explosion protection types are "eb" and "tb".

See the user instructions for further details.

Model designation:

SXCH-				
1	2	3	4	5

- 1: Model
- 2: External Thread Size
- 3: Internal Thread Size
- 4: Material:
 - C: Brass
 - S1: Stainless Steel 304
 - S2: Stainless Steel 316
 - S3: Stainless Steel 316L
- 5: O-Ring Material
 - N: NBR (Nitrile Rubber)
 - S: Si (Silicone Rubber)

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Model difference:

SXCH - series (16 to 54), See table below.

Technical data:

TYPE	Conduit size N1	Conduit size N2	Фф	В	ФС	S1	S2	L	ΦЕ
SXCH -16	M16*1.5-6g	M16*1.5- 6H	8.7	35	38	16	24	44	23.6
	04/0.4	G1/2-A 1/2NPT	13						
	G1/2-A	M16*1.5- 6H	11		75.				
,	M20*1.5-6g	M20*1.5- 6H	14						
SXC H-22	G3/4-A M25*1.5-6g	G3/4-A 3/4 NPT	18	41	45	16	24	44	30
LEWIS ACCIPITION	1.70	M25*1.5-	19						
SXC H-28	G 1-A M32*1.5-6g	G 1-A 1 NPT	24	46	50	16	30	50	35.6
an may	100	M32*1.5- 6H	26.3						
SXC H-36	G11/4-A M40*1.5-6g	G11/4-A 11/4NPT	32	55	60	16	30	50	45
		M40*1.5- 6H	32.2						
SXC H-42	G11/2-A	G11/2-A 11/2NPT	36	65	70	16	30	50	53
3 1 177		M50*1.5- 6H	39						
	M50*1.5-6g G11/2-A 36 11/2NPT M50*1.5- 44.1								
8		M50*1.5- 6H	44.1		ır	4)			1 4
SXC H-54	C G 2-A G 2-A 48 78 82	82	16	30	50	67			
		M63*1.5- 6H	51						
	NAC2*4 E C	G 2-A 2NPT	48						
	M63*1.5-6g	M63*1.5- 6H	56				ě	* ×	

Remark:

N1: Nominal diameter of external thread N2: Nominal diameter of internal thread

Φd: Inner diameter of conduit

B: Size between two opposite side (conduit is hexagon with chamferings)

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ΦC: Size between two opposite chamferings(conduit is hexagon with chamferings)

L1: Height of male thread L2: Height of female thread

L: Height of conduit

ΦE: Inner diameter of groove which fix O-ring

Warning label:

No warning label

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): 70.520.19.030.01

Routine tests:

Not applicable

Document List:

File no.:	Description:	Pages:	Rev:	Date:
CF60020	Conduit Hubs	1	V2.0	2019-01-22
CF60020-1	Conduit hubs (Marking)	1	V2.0	2019-05-15
CF60020-2	Conduit hubs (O-ring)	1	V0.0	2019-05-15
TS20154E	Operating Instruction CONDUIT HUBS	4	V2.0	2019-01-31
SXCH-□□	DoC draft	2	V0.0	2019-01-29

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

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- (17)Special conditions for safe use:
 - 1. Ta (Tambient) has to been seen as the operating temperature (or Tservice = Service Temperature) at the point of entry: -20°C≤Ta≤+80°C (NBR); -60°C≤Ta≤+80°C (Si) It is the end-user responsibility to ensure that those temperatures limits are complied with during installation keeping into account the ambient temperatures at the place of installation.
 - 2. For the internal thread (female part), an additional gasket or seal is required on the connecting equipment part. When no gasket or seal is applied, at least 5 full engaged threads are required (for the G and M threads) and 31/2 threads for the NPT threads. This to ensure the IP degree is kept. This must be realised during installation and is the responsibility of the end-user.
- (18)Essential health and safety requirements:

Assured by compliance with standards set out in (9)

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