

Supplement Nr: 01

EU-Type Examination Certificate

- (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: **IEP 14 ATEX 0183X**
- (4) Product: **Limit Switch Box, Type LS 20 x**
- (5) Firm Name: **SMS Sanayi Malzemeleri Üretim ve Satış A.Ş.**
- (6) Firm Address: **Bostancı Yolu Kuru Sokak No: 16 Y.Dudullu, Ümraniye - İstanbul / TÜRKİYE**
- Factory Address: **Çerkeşli OSB Mahallesi İmes-2 Cad. B Blok No:5 Dilovası - Kocaeli / TÜRKİYE**
- (7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The IEP Uluslararası Enerji Petrol Gözetim , Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of 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 confidential Report Nr: IEP.Rp.Ex.10 – 540-1 date 08.03.2024.
- (9) Compliance with Essential Health and safety requirements has been assured by compliance with:
- EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014**
- (10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.
- (11) This EU-Unit Verification Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. 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 equipment or protective system shall include the following:



II 2G Ex db IIC T4 Gb
II 2D Ex tb IIIC T Max 95°C Db, IP66

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



Supplement 01 Date of Issue : 21.03.2024





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(13) Schedule

(14) Certificate Nr : **IEP 14 ATEX 0183X**

(15) Description of Equipment:

Limit Switch Box, Type LS 20 x is a device used for on the pneumatic rotary actuators for showing the position of the valve of the visually and giving output signal according to the position of the valve, on the potentially explosive hazardous areas.

Limit Switch Box, Type LS 20 x is equipped with cable series HD 21.13.S1/HD.22.4.S4 .

Limit Switch Box, Type LS 20 x is protection class of IP 66

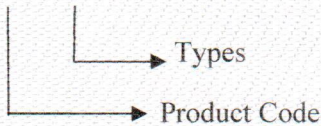
Limit Switch Box, Type LS 20 x is use as zone 1 and zone 21 that be used danger area determined in the EN 60079-10-1 standard

(16) Technical Parameters: Limit Switch Box, Type LS 20 x

Type	2M 2 Mechanical Switch	2PN 2 Proximity Switch NPN Type	2PP 2 Proximity Switch PNP Type	2PX 2 Proximity Switch NAMUR Type
Voltage	250 V AC	(0-30) V DC ,	(0-30) V DC , 10	8,2 V
Power or Current	16 A	100 mA Max	100 mA Max	1 mA or 3 mA
IP xy Protection	IP 66			
Ambient Temperature °C	- 20 ; + 60			

Product Code System:

LS 20 X



(17) Essential Health and Safety Requirements:

The machine mechanical and electrical parts list is Exploded picture table LS102M.00 and date 25.04.2013. This certificate is in the contents of standards that mentioned in item (9) It has been accepted that the machine is manufactured according to the producer instructions and the standards mentioned above.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi
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(18) Certificate Nr : IEP 14 ATEX 0183X

(19) Special conditions for safe use:

19.1 Assembly and working the machine with other related equipments must be adapted to national regulations.

19.2 The meaning of X: (IEP 14 ATEX 0183X) To must be installed by authorized personnel according to the user manual and EN 60079-14. Periodic inspection should be carried out by authorized personnel according to EN 60079-17.

19.3 If unauthorized parts and equipment are used in the ATEX certified equipment, the certificate is invalid.

(20) List of documentation:

- User and maintenance manual [11 pages, date May.2013]
- Electrical / Mechanical Part list [Exploded picture table LS102M.00 and date 25.04.2013]
- TSE Report numbered 220641 dated 30.05.2014
- Drawings:

Drawing Nr:	Drawing Name;	Date;
LS102M.00	Exploded Picture	25.04.2013
SAC06SWITCH54X2-01.00	Body	18.03.2013
BB.00.00	Bushing body	16.11.2013
TPA55SWITCH.00	Red plug stop	24.04.2013
MIL05SWITCHATX010.00	Shaft	13.11.2012
PLS37SWITCH-06.00	Cam lock	22.04.2013
PLS37SWITCH-04.00	Cam yellow-Red	22.04.2013
YAY04SWITCH.00	Spring	21.09.2013
GVD16SWATXBOY.00	Body	13.06.2013
KPK16SWATXBOY.00	Bushing	13.06.2013
BC.00.00	Bushing cover	24.04.2013
CVT06SWCM5X22.XX.00	Bolt	21.09.2013
PLS3SWITCH-02.00	Indicator	22.04.2013
GVD16FL000012-01.00	Indicator cover	22.04.2013
2.3	Emergency wiring scheme Fig (1 , 2 , 3)	22.04.2013
2.4	Label	22.04.2013

(21) Parts that are used in Limit Switch Box, Type LS 20 x are indicated in the unit and technical specifications Exploded picture table LS102M.00 and date 25.04.2013.

Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
01	21.03.2024	Upgrade to ATEX directive 2014/34/EU, Standard Update, Address Change.
00	02.06.2014	First issue of certificate

Responsible Person :

Nurettin Terzioglu
Head of Certification Body

Supplement 01 Date of Issue : 21.03.2024



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