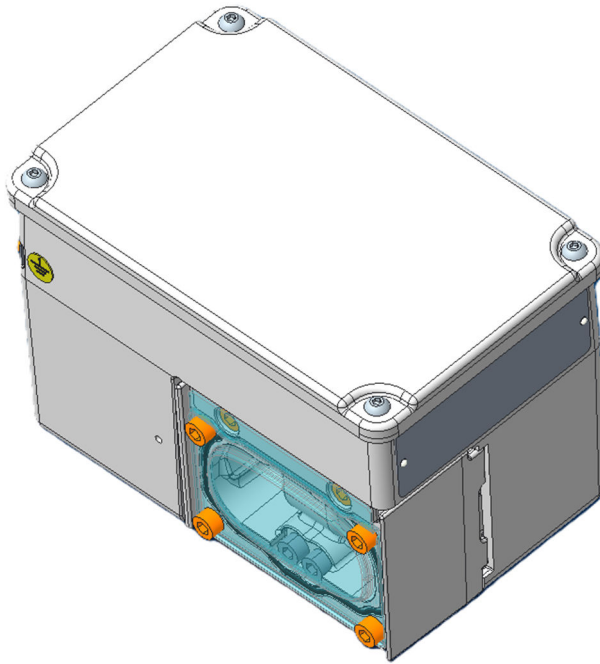


INSTRUCTION MANUAL

Smart High Performance Positioner

SERIES: SHP



INSTRUCTION MANUAL 4058

(Approval Nameplates)



-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
02	05/12/25	Modified INMETRO labels. Added INMETRO labels for Remote Sensor	D.Pasini	R.Valoti
01	26/08/25	Modified ECASEx certification. Added chapter for regional approvals – Remote Sensor to add ECASEx certification.	D.Pasini	R.Valoti
00	01/07/25	First Issue	D.Pasini	R.Valoti
Revision	Date	Description	Issued by	Checked by

IMI STI S.r.l has taken every care in collecting and verifying the documentation contained in this Instruction Manual. The information herein contained are reserved property of IMI STI S.r.l

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1. GENERAL INFORMATION

1.1 GENERAL WARNING



This Instruction Manual is an integral part of the machine, it should be carefully read before carrying out any operation and it should be kept for future references.
The operators shall adopt the safety precautions required by the country where the product is installed.

1.2 GENERALITIES

IMI STI products are conceived, manufactured and controlled according to the Quality Control System in compliance with EN ISO 9001 International Standard.

1.3 MANUFACTURER

According to Machinery Directive 2006/42/EC, the Manufacturer of the described product is:

IMI STI, Via Dei Caravaggi 15
24040 Levate, Bergamo, Italy
Tel. +39 035 29282
Fax +39 035 2928247
imisti.sales@imi-critical.com
sti.support@imi-critical.com

1.4 TERMS AND CONDITIONS

IMI STI guarantees each single product to be without defects and to conform to current goods specifications. Unless otherwise stated on the purchased order, the warranty period is one year from the date of installation by the user, or eighteen months from the date of shipment to the first user, whichever occurs first. Additionally:

- The warranty does not cover products which have been subject to improper storage, improper installation, misuse, corrosion, or which have been modified or repaired by unauthorized personnel (it is not advisable that customer or end users modify the device characteristics).
- The warranty does not cover special products or components not covered by warranty in their turn by subcontractors.

1.5 MANUFACTURER'S LIABILITY

IMI STI declines all liability in the event of:

- The use of the product does not comply with local legislation on safety at work.
- Disregard or incorrect application of the instructions provided on the product label and/or in the instruction manual.
- Incorrect installation and/or use of the product.
- Modifications without STI's authorization and/or work done on the unit by unqualified or unsuitable persons.

1.6 APPLICABLE STANDARDS AND DIRECTIVES

EN ISO 12100	Safety of machinery - General principles for design. Risk assessment and risk reduction
EN ISO 9001	Quality Management Systems - Requirements
2014/35/UE	Directive for Low Voltage Equipment (LV)
2004/108/EC	Directive relating to the Electromagnetic Compatibility (EMC)
EN 60079-0	Explosive atmospheres - Part 0: Equipment - General requirements
EN 60079-1	Explosive atmospheres - Part 1: Equipment - Equipment protection by flameproof enclosures "d"
EN 60079-11	Explosive atmospheres - Part 11: Equipment - Equipment protection by intrinsic safety "i"
EN ISO 60079-36	Explosive atmospheres. Non-electrical equipment for explosive atmospheres. Basic method and requirements.
EN ISO 80079-34	Explosive atmospheres. Part 34: Application of quality management systems for Ex Product manufacture.
EN 61508:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: General requirements.

This product is designed in accordance with the applicable International Standards and Directives, but the following regulations must be observed in any case:

- General and safety regulations.
- Plant specific regulations and requirements.
- Proper use of personal devices, protective devices (glasses, clothing, gloves, etc.), tools and transportequipment.

See also other related manuals/addendums:

- 4055 – Software Manual.
- 4056 – Instruction Manual.
- 4059 – QuickStart guide.
- 7008 – SHP model selection.
- 7010 – RS model selection.
- Safety Manual (specific for each certification).

Safety Manuals are not available on IMI STI's website. Safety manuals are shipped with the product. If needed, contact IMI STI to receive a digital copy.

1.7 SCOPE OF THIS MANUAL

This manual is designed to summarize the different certifications and labels available for the SHP positioner and affiliate (i.e. Remote Sensor), as to give the customer a way to ensure that the rating of the positioner is adapt for the application and verify that the information on the physical label is correct.

Each certification or regional approval has a different "Execution", meaning the first letter of the positioner's model. For further information regarding the models available, see the dedicated model selection and manual, available on IMI STI's website.

If a certification is not listed in this manual, it means that it is not yet obtained.

When receiving the product, it is mandatory to make sure that the information on the physical nameplate of the positioner is the same as the relative nameplate of this manual. If any information is different, immediately contact IMI STI.

1.8 HOW TO READ THE MANUAL

This manual is divided based on the different certificates or regional approvals.

For each, a further classification is based depending on the classification (ordinary, Intrinsically Safe and Flame or Explosion Proof).

For each classifications, the models available are listed depending on the rating acquired. The characters substituted by ■ may assume any value specified in the relative section of the model selection, which is available on IMI STI's website.

2. MAIN CERTIFICATIONS – SHP POSITIONER

CE Marking		-
SHP - S ■■■■■■■■		-
Ordinary Location	STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg)-ITALY www.stiactuation.com	
	Serial number: Year:	
	Model:	
	Tmin °C Tmax °C Pmax bar IP66	
		

		ATEX IECEX		ATEX 5227X IECEX EUT 23.0014X	
Intrinsically Safe	SHP - I ■■■■ A ■■■■		Ex h ia IIC T6...T4 Ga		
			-55°C ≤ Ta ≤ +60°C or +75°C or +85°C		
	STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10.5bar (7bar for natural gas) Ambient temperature : -55°C to +85°C J3: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF J10: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF J6, J1: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF Um = 30V for "FTx positioner connection cable" Ex h ia IIC T6...T4 Ga II 1G EPT 23 ATEX 5227X IECEX EUT 23.0014X Serial nr : Year : IP NEMA CE 2575				
SHP - I ■■■■ F ■■■■		Ex h ia [ia] IIC T5...T4 Ga			
		-55°C ≤ Ta ≤ +70°C or +80°C			
STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10.5bar (7bar for natural gas) Ambient temperature : -55°C to +80°C J3A: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF J1A: Uo:9V - Io:120mA - Po:0,65W - Lo ≤ 1.5mH - Co ≤ 4.78µF Um = 30V for "FTx positioner connection cable" Ex h ia [ia] IIC T5 or T4 Ga II 1(1) G EPT 23 ATEX 5227X IECEX EUT 23.0014X Serial nr : Year : IP NEMA CE 2575					
Flame Proof	SHP - D ■■■■ A ■■■■		Ex db h ia IIC T6...T5 Gb		
			-40°C ≤ Ta ≤ +60°C or +75°C		
	STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10.5bar (7bar for natural gas) Ambient temperature : -40°C to +75°C Um = 253V rms Um = 30V for "FTx positioner connection cable" Ex db h ia IIC T6 or T5 Gb II 2G EPT 23 ATEX 5227X IECEX EUT 23.0014X Serial nr : Year : IP NEMA CE 2575				

3. REGIONAL APPROVALS – SHP POSITIONER

	INMETRO	NCC 24.0024X
Intrinsically Safe	SHP - N ■ ■ ■ ■ A ■ ■ ■ ■ ■	Ex ia IIC T6...T4 Ga -55°C ≤ Ta ≤ +60°C or +75°C or +85°C
	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Modelo: Sinal de entrada : 4÷20mA Pressão de fornecimento de ar : 2.5÷10.5bar (7bar para gás natural) Temperatura ambiente : -55°C to +85°C J3: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J10: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J6, J1: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF Um = 30V for "FTx positioner connection cable" Ex ia IIC T6...T4 Ga NCC 24.0024 X Numero de serie: Year : IP NEMA 	
Intrinsically Safe	SHP - N ■ ■ ■ ■ F ■ ■ ■ ■ ■	Ex ia [ia] IIC T5...T4 Ga -55°C ≤ Ta ≤ +70°C or +80°C
	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Modelo: Sinal de entrada : 4÷20mA Pressão de fornecimento de ar : 2.5÷10.5bar (7bar para gás natural) Temperatura ambiente : -55°C to +80°C J3A: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J1A: Uo:9V - lo:120mA - Po:0,65W - Lo ≤ 1.5mH - Co ≤ 4.7μF Um = 30V for "FTx positioner connection cable" Ex ia [ia] IIC T5 or T4 Ga NCC 24.0024 X Numero de serie: Year : IP NEMA 	
Flame Proof	SHP - D ■ ■ ■ ■ A ■ ■ ■ ■ ■	Ex db ia IIC T6...T5 Gb -40°C ≤ Ta ≤ +60°C or +75°C
	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Modelo: Sinal de entrada : 4÷20mA Pressão de fornecimento de ar : 2.5÷10.5bar (7bar para gás natural) Temperatura ambiente : -55°C to +75°C Um = 254V rms Um = 30V for "FTx positioner connection cable" Ex db ia IIC T6 or T5 Gb NCC 24.0024 X Numero de serie: Year : IP NEMA 	

ECASEx		25-08-162362/E25-08-168734/NB0007	
Intrinsically Safe	SHP - E ■■■■ A ■■■■		Ex h ia IIC T6...T4 Ga
			-55°C ≤ Ta ≤ +60°C or +75°C or +85°C
	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10.5bar (7bar for natural gas) Ambient temperature : -55°C to +85°C J3: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J10: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J6, J1: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF Um = 30V for "FTx positioner connection cable" Ex h ia IIC T6...T4 Ga IECEX EUT 23.0014X 25-08-162362/E25-08-168734/NB0007 Serial nr : Year : IP TYPE 		
Intrinsically Safe	SHP - E ■■■■ F ■■■■		Ex h ia [ia] IIC T5...T4 Ga
			-55°C ≤ Ta ≤ +70°C or +80°C
	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10.5bar (7bar for natural gas) Ambient temperature : -55°C to +80°C J3A: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J1A: Uo:9V - lo:120mA - Po:0,65W - Lo≤1.5mH - Co≤4.78μF Um = 30V for "FTx positioner connection cable" Ex h ia [ia] IIC T5 or T4 Ga IECEX EUT 23.0014X 25-08-162362/E25-08-168734/NB0007 Serial nr : Year : IP TYPE 		
Flame Proof	SHP - X ■■■■ A ■■■■		Ex db h ia IIC T6...T5 Gb
			-40°C ≤ Ta ≤ +60°C or +75°C
	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10.5bar (7bar for natural gas) Ambient temperature : -40°C to +75°C Um = 253V rms Um = 30V for "FTx positioner connection cable" Ex db h ia IIC T6 or T5 Gb IECEX EUT 23.0014X 25-08-162362/E25-08-168734/NB0007 Serial nr : Year : IP TYPE 		

CU TR	EA3C RU C-IT.AЖ58.B.05323/24	
	0Ex h ia IIC T6 or T5 or T4 Ga X -55°C ≤ Ta ≤ +60°C or +75°C or +85°C	
SHF - T ■■■■ A ■■■■	Model : МОДЕЛЬ : Input signal/входной сигнал: 4÷20mA Air supply pressure/давление подачи воздуха : 2.5÷10bar (7bar for natural gas) Ambient temperature/Температура окружающей среды : -55°C to +85°C J3: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF J10: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF J6, J1: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF Um = 30V for "FTx positioner connection cable" EA3C RU C-IT.AЖ58.B.05323/24 0Ex h ia IIC T6 (Ta ≤ 60°C) or T5 (Ta ≤ 75°C) or T4 (Ta ≤ 85°C) Ga X Serial nr : Year : IP NEMA Серийный номер : Год : IP NEMA STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg)-ITALY www.imi-critical.com EAC Ex	
	SHF - T ■■■■ F ■■■■ 0Ex h ia [ia Ga] IIC T5 or T4 Ga X -55°C ≤ Ta ≤ +70°C or +80°C	
SHF - R ■■■■ A ■■■■	Model : МОДЕЛЬ : Input signal/входной сигнал: 4÷20mA Air supply pressure/давление подачи воздуха : 2.5÷10bar (7bar for natural gas) Ambient temperature/Температура окружающей среды : -55°C to +85°C J3A: Ui:30V - Ii:120mA - Pi:0,65W - Li:0H - Ci:0nF J1A: Uo:30V - Io:120mA - Po:0,65W - Lo:0H - Co:0nF Um = 30V for "FTx positioner connection cable" EA3C RU C-IT.AЖ58.B.05323/24 0Ex h ia [ia Ga] IIC T5 (Ta ≤ 70°C) or T4 (Ta ≤ 80°C) Ga X Serial nr : Year : IP NEMA Серийный номер : Год : IP NEMA STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg)-ITALY www.imi-critical.com EAC Ex	
	SHF - R ■■■■ A ■■■■ 1Ex db h ia IIC T6 or T5 Ga X -40°C ≤ Ta ≤ +60°C or +80°C	
SHF - R ■■■■ A ■■■■	Model : МОДЕЛЬ : Input signal/входной сигнал: 4÷20mA Air supply pressure/давление подачи воздуха : 2.5÷10bar (7bar for natural gas) Ambient temperature/Температура окружающей среды : -55°C to +85°C Um = 254V rms Um = 30V for "FTx positioner connection cable" EA3C RU C-IT.AЖ58.B.05323/24 1Ex db h ia IIC T6 (Ta ≤ 60°C) or T5 (Ta ≤ 80°C) Ga X Serial nr : Year : IP NEMA Серийный номер : Год : IP NEMA STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg)-ITALY www.imi-critical.com EAC Ex	
	SHF - R ■■■■ A ■■■■ 1Ex db h ia IIC T6 or T5 Ga X -40°C ≤ Ta ≤ +60°C or +80°C	

Intrinsically Safe	KOSHA	25-KA4BO-000■X
	SHP - K ■ ■ ■ ■ A ■ ■ ■ ■ ■	25-KA4BO-0002X
		Ex h ia IIC T6...T4 Ga
		-55°C ≤ Ta ≤ +60°C or +75°C or +85°C
Intrinsically Safe	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10bar (7bar for natural gas) Ambient temperature : -55°C to +85°C J3: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J10: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J6, J1: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF Um = 30V for "FTx positioner connection cable" Ex ia IIC T6...T4 Ga IECEX EUT 23.0014X Serial nr : Year : IP NEMA 	
	SHP - K ■ ■ ■ ■ F ■ ■ ■ ■ ■	25-KA4BO-0001X
	Ex h ia [ia] IIC T5...T4 Ga	
	-55°C ≤ Ta ≤ +70°C or +80°C	
Flame Proof	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10bar (7bar for natural gas) Ambient temperature : -55°C to +85°C J3A: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J1A: Uo:30V - lo:120mA - Po:0,65W - Lo:0H - Co:0nF Um = 30V for "FTx positioner connection cable" Ex ia [ia] IIC T5 or T4 Ga IECEX EUT 23.0014X Serial nr : Year : IP NEMA 	
	SHP - H ■ ■ ■ ■ A ■ ■ ■ ■ ■	25-KABO-0003X
	Ex db h ia IIC T6...T5 Gb	
	-40°C ≤ Ta ≤ +60°C or +80°C	
Flame Proof	 STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com Model : Input signal : 4÷20mA Air supply pressure : 2.5÷10bar (7bar for natural gas) Ambient temperature : -55°C to +85°C Um = 253V rms Um = 30V for "FTx positioner connection cable" Ex db ia IIC T6 or T5 Gb IECEX EUT 23.0014X Serial nr : Year : IP NEMA 	
	SHP - H ■ ■ ■ ■ A ■ ■ ■ ■ ■	25-KABO-0003X
	Ex db h ia IIC T6...T5 Gb	
	-40°C ≤ Ta ≤ +60°C or +80°C	

CCC	2024322307006340
SHP - C ■ ■ ■ ■ A ■ ■ ■ ■ ■	Ex h ia IIC T6...T4 Ga
	-55°C ≤ Ta ≤ +60°C or +75°C or +85°C
Intrinsically Safe STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com	Model : 智能阀门定位器 Input signal : 4÷20mA Air supply pressure : 2.5÷10bar (7bar for natural gas) Ambient temperature : -55°C to +85°C J3: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J10: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J6, J1: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF Um = 30V for "FTx positioner connection cable" Ex ia IIC T6...T4 Ga CCC N° 2024322307006341 Serial nr : Year : IP NEMA
SHP - C ■ ■ ■ ■ F ■ ■ ■ ■ ■	Ex h ia [ia] IIC T5 or T4 Ga -55°C ≤ Ta ≤ +70°C or +80°C
Intrinsically Safe STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com	Model : 智能阀门定位器 Input signal : 4÷20mA Air supply pressure : 2.5÷10bar (7bar for natural gas) Ambient temperature : -55°C to +85°C J3A: Ui:30V - li:120mA - Pi:0,65W - Li:0H - Ci:0nF J1A: Uo:9V - lo:120mA - Po:0,65W - Lo:0H - Co:0nF Um = 30V for "FTx positioner connection cable" Ex ia [ia] IIC T5 or T4 Ga CCC N° 2024322307006341 See certificate for related temperature ranges Serial nr : Year : IP NEMA
SHP - L ■ ■ ■ ■ A ■ ■ ■ ■ ■	Ex db h ia IIC T6 or T5 Gb -40°C ≤ Ta ≤ +60°C or +80°C
Flame Proof STI S.r.l. Via Dei Caravaggi 15 24040 Levate (Bg) - ITALY www.imi-critical.com	Model : 智能阀门定位器 Input signal : 4÷20mA Air supply pressure : 2.5÷10bar (7bar for natural gas) Ambient temperature : -55°C to +85°C Um = 253V rms Um = 30V for "FTx positioner connection cable" Ex db ia IIC T6 or T5 Gb CCC N° 2024322307006341 Serial nr : Year : IP NEMA

4. MAIN CERTIFICATION – REMOTE SENSOR

Ordinary Location	CE Marking	-
	RS - S ■ ■ A ■	-
	 STI s.r.l. Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy www.stiactuation.com Model : Serial nr : Year : Remote sensor to be connected only with SHP-SXXXXXXAX IP 66 Tmin:-55°C Tmax:+85°C	
	RS - S ■ ■ S ■	-
	 STI s.r.l. Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy www.stiactuation.com Model : Serial nr : Year : Remote sensor to be connected only with SHP-SXXXXXXSX IP 66 Tmin:-55°C Tmax:+85°C	

		ATEX IECEX	EPT 23 ATEX 5227X IECEX EUT 23.0014X
Intrinsically Safe Flame Proof	RS - I ■ ■ A ■		
	  STI s.r.l. Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy www.stiactuation.com Model : Serial nr : Year : Remote sensor to be connected only with SHP-IXXXXXXXAX or SHP-DXXXXXXAX. For application limits: see instruction and certificates. EPT 23 ATEX 5227X IECEX EUT 23.0014X		
	RS - I ■ ■ S ■		
  STI s.r.l. Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy www.stiactuation.com Model : Serial nr : Year : Remote sensor to be connected only with SHP-IXXXXXXXSX or SHP-DXXXXXXSX. For application limits: see instruction and certificates. EPT 23 ATEX 5227X IECEX EUT 23.0014X			

5. REGIONAL APPROVALS – REMOTE SENSOR

ECASEx	25-08-162362/E25-08-168734/NB0007
RS - N ■ ■ A ■	-



STI s.r.l.
Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy
www.stiactuation.com

Model :

Serial nr :

Year :

Remote sensor to be connected only with
SHP-ExxxxxxxAx or SHP-XxxxxxxxAx
IP 66 Tmin:-55°C Tmax:+85°C

25-08-162362/E25-08-168734/NB0007

RS - N ■ ■ S ■	-
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STI s.r.l.
Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy
www.stiactuation.com

Model :

Serial nr :

Year :

Remote sensor to be connected only with
SHP-ExxxxxxxSx or SHP-XxxxxxxxSx
IP 66 Tmin:-55°C Tmax:+85°C

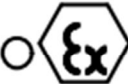
25-08-162362/E25-08-168734/NB0007

Intrinsically Safe
Flame Proof

INMETRO		NCC 24.0024X	
RS - E ■ ■ A ■		-	
 STI s.r.l. Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy www.stiactuation.com Modelo: N° série: Ano: Sensor remoto deve ser conectado apenas com SHP-NXXXXXXXAX or SHP-MXXXXXXXAX. Para limites de aplicação: consulte as instruções e os certificados NCC 24.0024 X			
RS - E ■ ■ S ■		-	
 STI s.r.l. Via Dei Caravaggi 15 24040 Levate (Bergamo), Italy www.stiactuation.com Modelo: N° série: Ano: Sensor remoto deve ser conectado apenas com SHP-NXXXXXXXSX or SHP-MXXXXXXXSX. Para limites de aplicação: consulte as instruções e os certificados NCC 24.0024 X			

Intrinsically Safe
Flame Proof

6. MAIN CERTIFICATION – FIELD BARRIER MODEL ID

Flame Proof	ATEX IECEX	Baseefa 11 ATEX0158X IECEX BAS 11.0080X
	-	Ex db [ia Ga] IIC T5/T6 Gb
		-40°C ≤ Ta ≤ +60°C or +80°C
	STI srl Via Dei Caravaggi 15 24040–Levate(BG)ITALY FIELD BARRIER ID Year of Manufacture  2575 Serial N°  II2(1)G Baseefa 11ATEX0158X Ex db[ia Ga]IIC T5/T6 Gb IECEX BAS 11.0080X Um=254V Ta: -40°C to 80°C/60°C Uo=27,45V Io=87mA Po=0,597W Co=86nF Lo=4,2mH Entry cable connection 1/2" NPT Cable entry may exceed 70°C Do not open when a flammable atmosphere may be present	

7. ADDITIONAL LABEL

In order to be in compliance with the certifications acquired, all versions with display of the positioner must have an additional label:

ATEX IECEX	SHP - ■■■■■■D■S■ SHP - ■■■■■■A■■■	ATEX 5227X IECEX EUT 23.0014X  WARNING: Potential electrostatic charging hazard. See instructions.  AVERTISSEMENT: Risque potentiel de charge électrostatique. Voir les instructions.
INMETRO	SHP - ■■■■■■D■■■ SHP - ■■■■■■D■■■	NCC 24.0024X  WARNING: Potential electrostatic charging hazard. See instructions.  AVISO: Perigo de carga electrostatica potencial. Consulte instruções.

ECASEX	SHP - ■■■■■■D■S■ SHP -■■■■■■■■■A■		25-08-162362/E25-08-168734/NB0007
	 WARNING: Potential electrostatic charging hazard. See instructions.  تحذير: خطر الشحن الكهروستاتيكي المحتمل. انظر التعليمات.		
CCC	SHP -C■■■■■D■■■ SHP -L■■■■■D■■■		2024322307006340
	 WARNING: Potential electrostatic charging hazard. See instructions.  警告: 潜在静电电荷危险— 见使用说明书		

KOSHA	SHP - K ■■■■ D ■■■■ SHP -H ■■■■ D ■■■■		25-KA4BO-000■X	
	 WARNING: Potential electrostatic charging hazard. See instructions.  경고: 잠재적인 정전기 충전 위험. 지침 보기			
CU TR	SHP -T ■■■■ D ■■■■ SHP -R ■■■■ D ■■■■		ЕАЭС RU C-IT.АЖ58.В.05323/24	
	 WARNING: Potential electrostatic charging hazard. See instructions.  ПРЕДУПРЕЖДЕНИЕ: Потенциальная опасность электростатического заряда. См. инструкции.			

**Process
Automation**

IMI STI – 4058_r02_En rev.02 05/12/2025



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