





LGM ENGINEERING



EXPERIENCE, DYNAMISM, SOLUTION

LGM ENGINEERING is the leading company in the supply of industrial components for fluid control, process automation and regulation.

The MISSION of LGM ENGINEERING is to contribute significantly to the improvement of the global production environment, providing reliable and innovative technical solutions with competence and professionalism. LGM ENGINEERING has been working with experience in the sector for over 40 years, serving its partners as designer, supplier and manufacturer of industrial components.







SECTORS & APPLICATIONS





Fire Fighting



Texile



Chemestry



Mining



Marine industry



Packaging



Hvac



Oil & gas



Automotive



Ceramic



Food e beverage



On shore & Off shore platform



Power & renewable energy



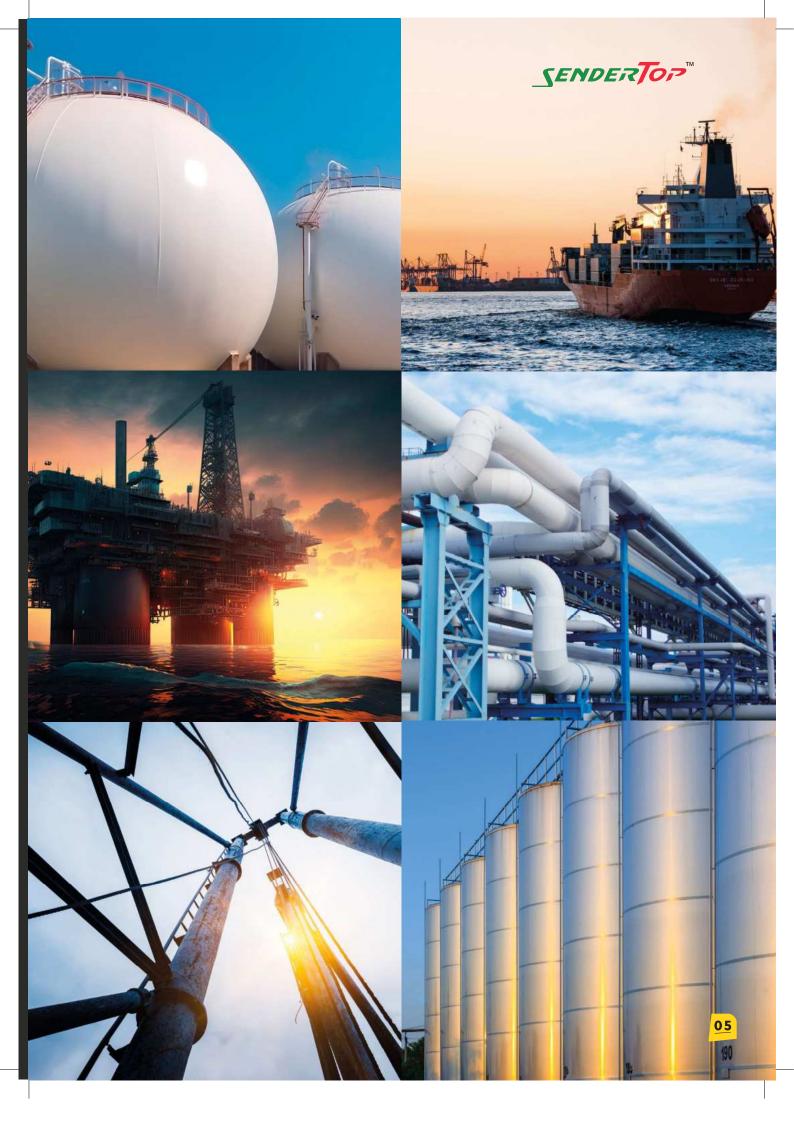
Water & <u>W</u>astwater



Chemical & petrolchemical



Pharma & cosmetics



SENDE











LIMIT SWITCH BOX



A limit switch box is an electromechanical device that consists of an actuator mechanically linked to a set of contacts included in an enclosure, generally in resin, aluminum or stainless steel.

There are different types of switches/sensors that can be included into a box: when the cam comes into contact or in proximity with the switch/sensor, the device operates the contacts to open/close an electrical connection. A limit switch box provides a visual and electrical remote position feedback on automated valves.





There are different types of switches/sensors that can be included into a box:

- Mechanical Switches

- Inductive Sensors

- Magnetic Switches

Also defined as "Proximity"

APPLICATIONS

Sendertop covers a wide range of applications.

Designed for extremely low / high temperatures, limit switch boxes.

Are suitable to operate in different environments in different locations worldwide.





WHY SENDERTOP

SENDERTOP line has born from the experience by LGM ENGINEERING in Italy, an independent family owned company. Throughout the years, numerous units has been sold on the market in different industries, customers, OEM, End users EPCs.







QUICK INTRODUCTION TO ATEX



Zoning definition ATEX Gas (or ATEX Dust)		Manufacturer directive
		ATEX Gas (or ATEX Dust)
	Zone 2 (or 22)	Category 3G/2G/1G (or 3D/2D/1D)
	Zone 1 (or 21)	Category 2G/1G (or 2D/1D)
	Zone 0 (or 20)*	Category 1G (or 1D)

^{*}Mining not considered in the chart



PROTECTION SYMBOL	ZONE 1 2	3	DESCRIPTION	DRAWING
d			type of protection in which the parts which can ignite an explosive atmosphere are placed in an enclosure which can withstand the pressure developed during an internal explosion of an explosive mixture and which prevents the transmission of the explosion to the explosive atmospheres surrounding the enclosure	**
e			type of protection in which measures are applied so as to prevent with a higher degree of safety the possibility of excessive temperatures and of the occurrence of arcs or sparks in the interior and on the external parts of electrical apparatus, which does not produce them in normal service.	
i a ib ic			type of protection when no spark or any thermal effect in the circuit, produced in the test conditions prescribed in the standard (which include normal operation and specific fauit conditions), is capable of causing ignition.	R L
m mb mc			type of protection in which the parts which can ignite an explosive atmosphere are enclosed in a resin sufficiently resistant to the environmental influences in such a way that this explosive atmosphere cannot be ignited by either sparking or heating which may occur within the encapsulation	4
n			method of protection for electrical equipment designed so that it will not ignite the surrounding explosive atmosphere in normal operation and under certain fault conditions specified in the standard. there are 4 categories of equipment: nA (nonsparking), nC (enclosed break), nR (restricted breathing), nLz (limited energy).	*
0			type of protection in which the electrical apparatus is immersed in oil.	
р			type of protection in which the protective inert gas inside the enclosure is maintained at a higher pressure than that of the surrounding atmosphere.	77
q			type of protection in which the enclosure is filled with a material in a finely granulated state.	4



INDEX

ST1 P. 18/19





ST2P. 24/25





ST3 P. 30/31





STR P. 36/37





SENDERTOP QUICK SELECTION GUIDE

TYPE	ALUMINIUM	STAINLESS STEEL	ENGINEERED RESIN	CERTIFICATION	PROTECTION
ST1	\bigcirc	\bigcirc	×	C€ sw	WEATHER PROOF
ST2	\bigcirc	\bigcirc	×	SILV (Ex)	ATEX EExd EXPLOSION PROOF
ST3	\bigcirc	⊘	(X)	SILV (EX)	ATEX EEXIa INTRINSICALLY SAFE
STR	(X)	(X)	⊘	C€ siL√ ⟨Ex⟩	WEATHER PROOF ATEX EEXia INTRINSICALLY SAFE



SENDERTOP ST1



<u>SENDERTOP™</u>





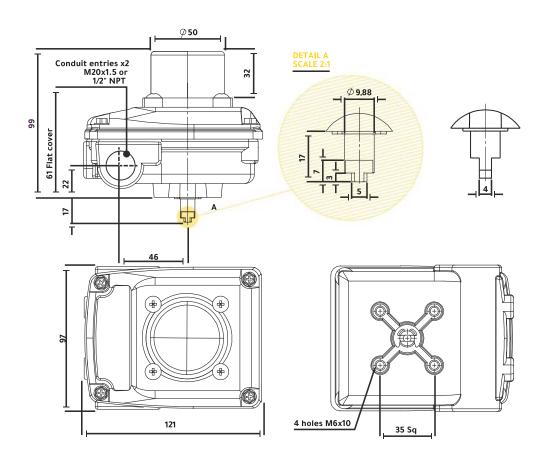






TECHNICAL SPECIFICATION





DATASHEET OF THE INCLUDED SWITCHES/ SENSORS AVAILABLE UPON REQUEST





HOW TO ORDER

1/2ªNPT-F

 $M20 \times 1,5$

Mechanical Switches

Magnetic proximity switches

SPECIAL OPTION **INDICATOR ENCLOSURE** Circuit board 7-8-7-9 VR STD, green/red **MATERIALS** L port, 3 way Low temperature -40°C Alluminium, black RAL 9005 **HOUSING** EAC TR-CU 004 & 020 / 2011 Tport, 3 way ST1 Sendertop arrow, 3 way Stainless Steel CF8M X Atex II3D (zone 22) ST₁ M M 2 **TYPE** CONDULT NUMB. OF SWITCHES / SENSOR **ENTRIES** SWITCHES / SENSOR

One

Two

- OMRON SS-5 or SSG (mech., SPDT, 250VAC) OMRON D2SW-3 (Low temp., SPDT, 125VAC)
- 2 OMRON SS-01 (mech. GOLD PLATED, SPDT, 125VAC, 30VDC)
- 0 HAMLIN 59140 (magn., SPDT-Change Over)
- A IFM NS 5002 (NC, NAMUR, 2 wires)
- **B** IFM IS 5001 (NO, PNP, 3 wires, 10...30VDC)
- D IFM IS 5026 (NO / NC, PNP / NPN, 2 wires, 5...36VDC)
- **E** IFM IS 0003 (NO. 2 wires, 20...140VAC / 10...140VDC)
- F P+F NJ2 V3N (NC, NAMUR, 2 wires, 8.2V)
- **G** P+F NBB2 V3 E2 (NO, PNP, 3 wire, 10.. 30VDC)
- H P+F NBB3 V3 Z4 (NO, 2 wires, 5...60VDC)
- **GD** P+F NBB2 V3 E2 3G-3D (NO, PNP, 3 wires, 10.. 30VDC)
- L P+F NBB2 V3 E0 (NO, NPN, 3 wires, 10...30VDC)
- M P+F S J3, 5N (NC, NAMUR, 2 wires, 8.2V)
- N P+F NCB2 V3 NO (NC, NAMUR, 2 wires, 8.2V)
- P IFM IS 0004 (NC, 2 wires, 20...140VAC / 10...140VDc)
- Q P+F SJ-3, 5SN (NC, NAMUR with safety function, 2 wires, 8.2V)
- P+F SJ-3, 5S1N (NO, NAMUR with safety function, 2 wires, 8.2V)



ST1 INCLUDED SWITCHES/SENSORS



SENDERTOP offers one of the widest ranges of switches in the market, providing the best switch or sensor solution for each specific application

1 - OMRON SS-5 or SSG

RATING:

5A@125 VAC 3A@ 250 VAC SPDT SILVER PLATED TYPE: ELECTRO MECHANICAL BRAND: OMRON



1 - OMRON D2SW-3

RATING:

3A@125VAC SPDT SILVER PLATED TYPE: ELECTRO MECHANICAL BRAND: OMRON



2 - OMRON SS-01

RATING:

0.1@ 125VAC 0.1A @ 30VDC GOLD PLATED TYPE: ELECTRO MECHANICAL BRAND: OMRON



0 - HAMLIN 59140

RATING:

0,25A@175VDC 0,18A@ 120VAC TYPE: MAGNETIC PROXIMITY SWITCHES BRAND: HAMLIN



A - IFM NS 5002

RATING

TYPE: INDUCTIVE SENSOR
2 WIRES
NAMUR
NORMALLY CLOSED
BRAND: IFM



B - IFM IS 5001

RATING:

10...30VDC
TYPE: INDUCTIVE SENSOR
3 WIRES
NORMALLY OPEN, PNP
BRAND: IFM





D - IFM IS 5026

RATING

5...36VDC

TYPE: INDUCTIVE SENSOR NORMALLY OPEN, NORMALLY CLOSED,

PNP/NPN 2 WIRES BRAND: IFM



E - IFM IFM IS 0003

RATING

20...140VAC 10...140VDC

TYPE: INDUCTIVE SENSOR NORMALLY OPEN

2 WIRES BRAND: IFM



P - IFM IS 0004

RATING:

20...140VAC 10...140VDC

TYPE: INDUCTIVE SENSOR NORMALLY CLOSED

2 WIRES

BRAND: IFM



G-P+F NBB2 V3 E2

RATING:

10...30VDC

TYPE: INDUCTIVE SENSOR NORMALLY OPEN

PNP

3 WIRES

BRAND: P+F



H - P+F NBB3 V3 Z4

5...60VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN

2 WIRES

BRAND: P+F



GD - P+F NBB2 V3 E2 3G-3D

RATING:

10...30VDC

TYPE: INDUCTIVE SENSOR

NORMALLY OPEN PNP

3 WIRES

BRAND: P+F



L - P+F NBB2 V3 E0

RATING

10...30VDC

TYPE: INDUCTIVE SENSOR NORMALLY OPEN

NPN

BRAND: P+F



M - P+F S J3, 5N

RATING

TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR

2 WIRES

BRAND: P+F



N - P+F NCB2 V3 NO

RATING: 8,2V

TYPE: INDUCTIVE SENSOR NAMUR

2 WIRES

NORMALLY CLOSED

BRAND: P+F



F - P+F NJ2 V3 N

RATING:

8.2V

TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR

2 WIRES

BRAND: P+F



Q - P+F SJ 3, 5SN (Nc, NAMUR with safety function, 2 wires, 8.2V)

RATING:

8.2V

TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR WITH SAFETY FUNCTION

2 WIRES

BRAND: P+F



R - P+F SJ-3, 5S1N (Nc, NAMUR with safety function, 2 wires, 8.2V)

RATING:

8.2V

TYPE: INDUCTIVE SENSOR NORMALLY OPEN NAMUR WITH SAFETY FUNCTION

2 WIRES BRAND: P+F





SENDERTOP ST2

ATEX EEXd EXPLOSION PROOF



<u>SENDERTOP™</u>



 ${\tt SENDERTOP\ ST2}\ is\ the\ compact\ limit\ switch\ box\ for\ hazardous\ areas,$ with explosionproof protection method







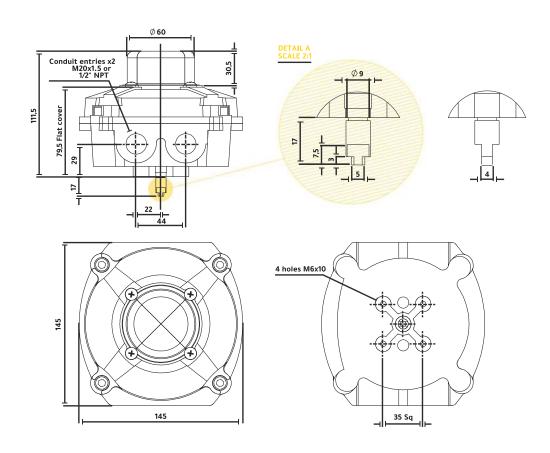






TECHNICAL SPECIFICATION





DATASHEET OF THE INCLUDED SWITCHES/ SENSORS AVAILABLE UPON REQUEST





HOW TO ORDER



HOUSING

ST2 Sendertop Explosion proof II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T... °C

INDICATOR

- VR STD, green/red
- 2 L port, 3 way
- 3 Tport, 3 way
- 4 arrow, 3 way

ENCLOSURE MATERIALS

- A Alluminium, black RAL 9005
- S Stainless Steel CF8M

SPECIAL OPTION

- LT Low temperature (-60°C)*
- Circuit board 7-8-7-9
- 2 Circuit board 7-8-9-10

ST2

ME

M

2

NUMB. OF

One

SWITCHES / SENSOR

VF

0

LŢ

TYPE

ME Mechanical Switches

Inductive proximity sensors

Magnetic proximity switches

CONDULT ENTRIES

- 1/2°NPT-F
- **M** M20 × 1,5
- . .
- 2 Two3 Three
- 4 Four

SWITCHES / SENSOR

- IFM NS 5002 (NC, NAMUR, 2 wires, 8.2V)
- B IFM IS 5001 (NO, PNP, 3 wires, 10...30VDC)
- D IFM IS 5026 (NO / NC, PNP / NPN, 2 wires, 5...36VDC)
- F IFM IS 0003 (NO, 2 wires, 20... 140VAC / 10...140VDC)
- F P+F NJ2 V3 N (NC, NAMUR, 2 wires, 8.2V)
- **G** P+F NBB2 V3 E2 (NO, PNP, 3 wires, 10...30VDC)
- P+F NBB3 V3 Z4 (NO, 2 wires, 5.. 60VDC)
- P+F NBB2 V3 E0 (NO, NPN, 3 wires, 10...30VDC)
- N P+F NCB2 V3 NO (NC, NAMUR, 2 wires, 8.2V)
- P IFM IS 0004 (NC, 2 wires, 20...140VAC / 10...140VDC)
 T P+F NBB2-V3-E2-3G-3D (NO, PNP,3 wires, 10...30VDC)
- OMRON D3V or CHERRY D44 (SPDT, 250VAC)
- s HONEYWELL V7 (SPDT, 250VAC)
- M HSR 834W (SPDT, 3A@240VAC/DC)



INCLUDED SWITCHES/SENSORS



SENDERTOP offers one of the widest ranges of switches in the market, providing the best switch or sensor solution for each specific application

A - IFM NS 5002

RATING:

7,5...30VDC TYPE: INDUCTIVE SENSOR 2 WIRES NAMUR NORMALLY CLOSED BRAND: IFM



B - IFM IS 5001

RATING:

10...30VDC

TYPE: INDUCTIVE SENSOR NORMALLY OPEN, PNP BRAND: IFM



D - IFM IS 5026

RATING:

5...36VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN, NORMALLY CLOSED, PNP/NPN BRAND: IFM



E - IFM IFM IS 0003

RATING:

20...140VAC 10...140VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN 2 WIRES BRAND: IFM



P - IFM IS 0004

RATING:

20...140VAC 10...140VDC TYPE: INDUCTIVE SENSOR NORMALLY CLOSED 2 WIRES BRAND: IFM



G-P+F NBB2 V3 E2

RATING:

10...30VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN PNP 3 WIRES BRAND: P+F





H - P+F NBB3 V3 Z4

RATING: 5...60VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN 2 WIRES

BRAND: P+F



L - P+F NBB2 V3 E0

RATING: 10...30VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN NPN BRAND: P+F



N - P+F NCB2 V3 N0

RATING: 8.2V TYPE: INDUCTIVE SENSOR NAMUR 2 WIRES NORMALLY CLOSED BRAND: P+F



F - P+F NJ2 V3 N

RATING: 8.2V TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR 2 WIRES BRAND: P+F



L - P+F NBB2 V3 E0

RATING: 10...30VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN NPN BRAND: P+F



S - HONEYWELL V7

RATING: 3(1) A 250V TYPE: ELECTRO MECHANICAL BRAND: HONEYWELL



M - HSI SENSING HSR 834W

RATING: 3A@240 VAC/DC TYPE: SPDT MAGNETIC PROXIMITY SWITCHES BRAND: HSI SENSING



0 - OMRON D3V or CHERRY D44

RATING: 10(3) A 250V TYPE: ELECTRO MECHANICAL BRAND: OMRON





SENDERTOP ST3



<u>SENDERTOP™</u>



SENDERTOP ST3 is the box limit switch suitable for instrinsically safe area in which







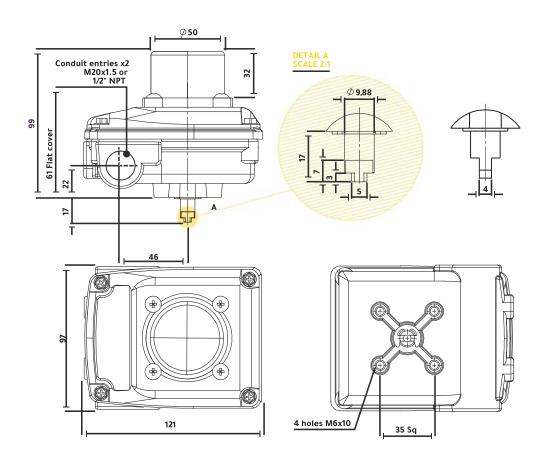






TECHNICAL SPECIFICATION





DATASHEET OF THE INCLUDED SWITCHES/ SENSORS AVAILABLE UPON REQUEST





HOW TO ORDER

INDICATOR VR STD, green/red **ENCLOSURE** SPECIAL OPTION **MATERIALS** Lport, 3 way Alluminium, black RAL 9005 **HOUSING** Tport, 3 way LT Low temperature (-50°)** **ST3** Sendertop 1 Circuit board 7-8-7-9 4 arrow, 3 way Stainless Steel CF8M **ST3*** M A MC NUMB. OF SWITCHES / SENSOR

CONDULT **ENTRIES**

- N 1/2ªNPT-F
- $M20 \times 1,5$
- SWITCHES / SENSOR
- 1 One
 - 2 Two

МС	OMRON SS-01 (mecc. GP, SPDT, 125VAC, 30VDC)
ME	OMRON D2SW-01 (mecc. GP, SPDT, 30VDC)
MA	HAMLIN 59140 (magn., SPDT, 140VAC, 200VDC)
INS	IFM NS5002 (NC, NAMUR, 2 wires)
INJ	P+F NJ2 V3 N (NC, NAMUR, 2 wires, 8.2V)
INC	P+F NCB2 V3 N0 (NC, NAMUR, 2 wires, 8.2V)
ISN	P+F SJ3,5N (NC, NAMUR, 2 wires, 8.2V)
IS1	P+F SJ3.5 S1N (NO, NAMUR with security function, 2 wires, 8.2V)
ISS	P+F SJ3.5 SN (LT) (NC, NAMUR with security function, 2 wires, 8.2V)

^{*}Used with the signal coming from the Barrier ** Refer to LGM ENGINEERING sales office



INCLUDED SWITCHES/SENSORS



SENDERTOP offers one of the widest ranges of switches in the market, providing the best switch or sensor solution for each specific application

MC - OMRON SS-01

RATING:

0, 1A@ 125VAC 0, 1A @ 30VDC GOLD PLATED TYPE: ELECTRO MECHANICAL BRAND: OMRON



ME - OMRON D2SW-01

RATING: 0,1A@30VDC

G PLATED TYPE: ELECTRO MECHANICAL BRAND: OMRON



MA - HAMLIN 59140

RATING:

0,25A@175VDC 0,18A@120VAC

TYPE: MAGNETIC PROXIMITY SWITCHES

BRAND: HAMLIN



INS - IFM NS 5002

7,5...30VDC

TYPE: INDUCTIVE SENSOR 2 WIRES NAMUR NORMALLY CLOSED

BRAND: IFM



INJ - P+F NJ2 V3N

RATING:

TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR 2 WIRES BRAND: P+F



INC - P+F NCB2 V3 NO

RATING: 8.2V TYPE: INDUCTIVE SENSOR NAMUR NORMALLY CLOSED BRAND: P+F





ISN - P+F S J3, 5N

RATING: 8,2V TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR 2 WIRES BRAND: P+F



IS1 - P+F SJ 3, 5S1N

RATING: 8.2V TYPE: INDUCTIVE SENSOR NORMALLY OPEN NAMUR WITH SAFETY FUNCTION 2 WIRES BRAND: P+F



ISS - P+F SJ 3, 5SN

RATING: 8.2V TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR WITH SAFETY FUNCTION 2 WIRES BRAND: P+F





SENDERTOP STR

WEATHER PROOF / ATEX EEXia INTRINSICALLY SAFE



<u>SENDER TOP™</u>



SENDERTOP STR is the engineered resin box limit switch suitable for multipurpose application in safe and instrinsically safe areas







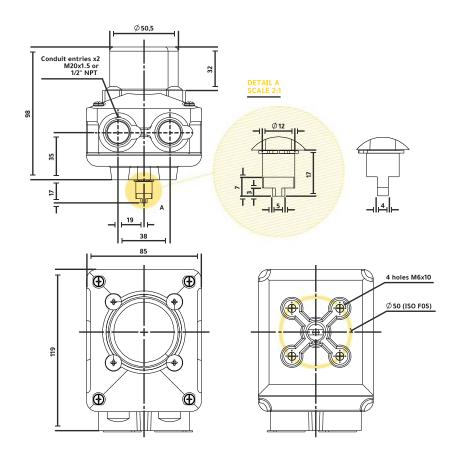






TECHNICAL SPECIFICATION

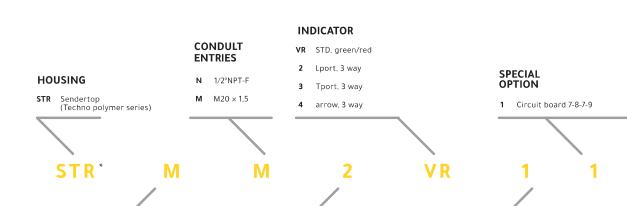




DATASHEET
OF THE INCLUDED
SWITCHES/ SENSORS
AVAILABLE UPON
REQUEST



HOW TO ORDER



TYPE

- M Mechanical Switches
- Inductive proximity sensors
- **G** Magnetic proximity switches

NUMB. OF SWITCHES / SENSOR

- **1** One
- 2 Two

SWITCHES / SENSOR

- OMRON SS-5 or SSG (mech. SILVER PLATED, SPDT, 3A@250VAC, 30VDC)
- 2 OMRON SS-01 (mech. GOLD PLATED, SPDT, 0.1A@ 125VAC, 30VDC)
- 0 HAMLIN 59140 (magn., SPDT-Change Over)
- A IFM NS 5002 (NC, NAMUR, 2 wires, 7.5...30VDC)
- **B** IFM 15 5001 (NO, PNP. 3 wires, 10.. 30VDC)
- D IFM IS 5026 (NO / NC, PNP / NPN, 2 wires, 5...36VDC)
- P+F NJ2 V3 N (NC, NAMUR, 2 wires, 8. 2VDC)
- **G** P+F NBB2 V3 E2 (NO, PNP. 3 wires, 10...30VDC)
- **H** P+F NBB3 V3 Z4 (NO. 2 wires. 5...60VDC)
- **K** P+F NBB2 V3 E3 (NC, PNP, 3 wires, 10...30VDC)
- L P+F NBB2 V3 EO (NO, NPN. 3 wires, 10. 30VDC)

 M P+F SJ-3,5N (NC, NAMUR, 2 wires, 8.2VDC)
- N P+F NCB2 V3 N0 (NC, NAMUR, 2 wires, 8.2VDC)
- Q P+F SJ-3,5SN (NC, NAMUR with safety function, 2 wires, 8.2VDC)
- R P+F SJ-3,51N (NO, NAMUR with safety function, 2 wires, 8.2VDC)



STR INCLUDED SWITCHES/SENSORS



SENDERTOP offers one of the widest ranges of switches in the market, providing the best switch or sensor solution for each specific application

1 - OMRON SS-5 or SSG

RATING:

5A@125 VAC 3A@ 250 VAC SPDT SILVER PLATED TYPE: ELECTRO MECHANICAL BRAND: OMRON



2 - OMRON SS-01

RATING

0,1A@ 125VAC
0,1A@ 30VDC
GOLD PLATED
TYPE: ELECTRO MECHANICAL
BRAND: OMRON



0 - HAMLIN 59140

RATING

0,25A@175VDC 0,18A@120VAC TYPE: MAGNETIC PROXIMITY SWITCHES BRAND: HAMLIN



A - IFM NS 5002

RATING

8.2 VDC NOMINAL TYPE: INDUCTIVE SENSOR 2 WIRES NAMUR NORMALLY CLOSED BRAND: IFM



B - IFM IS 5001

RATING:

10.30VDC
TY..PE: INDUCTIVE SENSOR
3 WIRES
NORMALLY OPEN, PNP
BRAND: IFM



D - IFM IS 5026

RATING:

5...36VDC
TYPE: INDUCTIVE SENSOR
NORMALLY OPEN, NORMALLY CLOSED,
PNP/NPN
2 WIRES
BRAND: IFM





F - P+F NJ2 V3N

RATING:

8,2V TYPE: INDUCTIVE SENSOR NORMALLY CLOSED NAMUR 2 WIRES BRAND: P+F



G - P+F NBB2 V3 E2

RATING:

10...30VDC **TYPE**: INDUCTIVE SENSOR NORMALLY OPEN PNP

3 WIRES BRAND: P+F



H - P+F NBB3 V3 Z4

RATING:

5...60VDC TYPE: INDUCTIVE SENSOR NORMALLY OPEN 2 WIRES BRAND: P+F



K - P+F NBB2 V3 E2 3G-3D

RATING:

10...30VDC

TYPE: INDUCTIVE SENSOR
NORMALLY OPEN
PNP
2. WIDES

3 WIRES BRAND: P+F



L - P+F NBB2 V3 E0

RATING

10...30VDC
TYPE: INDUCTIVE SENSOR
NORMALLY OPEN
NPN
BRAND: P+F



M - P+F S J3, 5N

RATING

8,2V
TYPE: INDUCTIVE SENSOR
NORMALLY CLOSED
NAMUR
2 WIRES
BRAND: P+F



N - P+F NCB2 V3 N0

RATING: 8.2V TYPE: INDUCTIVE SENSOR NAMUR 2 WIRES NORMALLY CLOSED BRAND: P+F



Q - P+F SJ-3, 5SN

RATING:

8.2V
TYPE: INDUCTIVE SENSOR
NORMALLY CLOSED
NAMUR WITH SAFETY FUNCTION
2 WIRES

BRAND: P+F



R - P+F SJ-3, 5S1N

RATING:

8.2V
TYPE: INDUCTIVE SENSOR
NORMALLY OPEN
NAMUR WITH SAFETY FUNCTION
2 WIRES

BRAND: P+F





ACCESSORIES, BRACKETS & MOUNTING KITS



LGM ENGINEERING mounting kits series have been designed to mount almost any device on a NAMUR pattern actuator VDI/VDE 3845. For linear application LGM ENGINEERING is able to design and customize specific linear or universal mounting kit for rotary and linear applications.

TYPE	MATERIAL	DESCRIPTION	CODE
KIT BRACKETS	PAINTED STEEL	KIT MOUNTING BRACKETS FOR ST1/ST2/ST3, SUITABLE DIMENSIONS: 30x80 and 30x130mm (screws included)	XM051287+SCREWS
KIT BRACKETS	AISI 304	KIT MOUNTING BRACKETS FOR ST1/ST2/ST3 SUITABLE FIXING DIMENSIONS: 30x80 and 30x130mm (screws included)	XM051290+SCREWS
KIT BRACKETS	AISI 316	KIT MOUNTING BRACKETS FOR ST1/ST2/ST3 SUITABLE FIXING DIMENSIONS: 20mm/30mm (screws included)	AKB-00626.R0.316/2200/20
3 WAY VISUAL INDICATOR	POLYCARBONATE & ABS	3 WAY VISUAL INDICATOR L-PORTS FOR ST1 & ST3	ST13-3V-VIS-L
3 WAY VISUAL INDICATOR	POLYCARBONATE & ABS	3 WAY VISUAL INDICATOR T-PORTS FOR ST1 & ST3	ST13-3V-VIS-T
3 WAY VISUAL INDICATOR	POLYCARBONATE & ABS	3 WAY VISUAL INDICATOR L-PORTS FOR ST2	ST2-3V-VIS-L
3 WAY VISUAL INDICATOR	POLYCARBONATE & ABS	3 WAY VISUAL INDICATOR T-PORTS FOR ST2	ST2-3V-VIS-T
ARROW VISUAL INDICATOR	POLYCARBONATE & ABS	ARROW VISUAL INDICATOR FOR ST13	ST13-AR
ARROW VISUAL INDICATOR	POLYCARBONATE & ABS	ARROW VIASUAL INDICATOR FOR ST2	ST2-AR
CABLES GLANDS	ENGINEERED RESIN NICHEL PLATED BRASS/ AISI 316	CABLE GLANDS SUITABLE FOR SAFE & HAZARDOUS AREAS	ON REQUEST







AUTOMATION & INSTRUMENTATION



With years of extensive knowledge & experience, LGM ENGINEERING has provided products and services worldwide for each industrial valve actuation and control application. LGM ENGINEERING is capable of designing and translate any end user specifications or AVLs to turn into reality each engineering plan. Due to that reason, LGM ENGINEERING offers a wide range of precision control and valve accessory products self-produced or in partnership with prestigious international brands.

VALVES FOR PROCESS INDUSTRY

Valve actuation accessories Solenoid valves Piston valves Valves for process industry Medium pressure valves High e low pressure valves Air operated valves Hydrogen valves

CONTROLLERS

Valve positioners I/P and E/P converters

MEASUREMENT

Valve position sensors Transmitters and switches Positioners

AIR TREATMENT EQUIPMENT

Air regulators filters Volume boosters Oil removal Filters Oil Fog Lubricators

ANCILLARIES

Fittings & double ferrule fittings Dust excluders & much more Flow regulators Quick Exhausts and much more









SENDERTOP REFERENCE LIST



END USER	MODEL SUPPLIED	END DESTINATION	APPLICATION
KUZEY MARMARA	ST3M2VRAINJ	TURKEY	OIL & GAS
ORLEN	ST2MEM2VRAO-LT	POLAND	OIL & GAS
P&R HOLDING	ST3M2VRAINJ	SWITZERLAND	PHARMACEUTICAL
RIEDHAMMER	ST1MM2VRA1	GERMANY	CERAMIC
ANDRITZ	ST3M1VRAISN	GERMANY	PULP & PAPER
SNAM	ST2HSEN2VRAM	GERMANY	OIL & GAS
ENI NEXT CHEM	ST2MEM2VRA0	GERMANY	CHEMICAL





Via Ettore Majorana, 2, 20051, Cassina De' Pecchi (MI) Tel.: +39 0295299332 Igmengineering.it Info@Igmengineering.it LGM Engineering s.r.l.

in @LGMENGINEERING