



NAMUR

MICROSWITCH

ATEX CYCLE SENSORS FOR PROGRESSIVE LUBRICATION SYSTEMS

ATEX CYCLE SENSORS MICROSWITCH

These sensors are products which are compliant with the ATEX directive, designed to prevent the generation of ignition sources in potentially explosive atmospheres, guaranteeing safe operation of the equipment and a high level of protection in the environment.

This version is equipped with a visual pin element and works with the standard DropsA SMX dividers - simply as an accessory to be screwed on the side of the divider, without the need for modifying the divider itself in any way.

They are part of an overall divider kit including: the Microswitch with the visual pin element, support bracket, specific adapters with different micro holder fittings, based on the size of the dividers (for dividers with range 0.04 - 0.25 and for dividers with range 0.35 - 0.65).



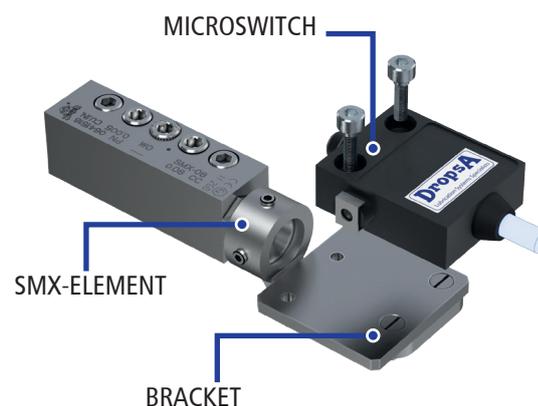
KEY FEATURES

-  ATEX EX ZONE 1 AND 21
- SUITABLE FOR SMX PROGRESSIVE DIVIDERS
- FOR SAFE AND CONTROLLED LUBRICATION
- EASY TO INSTALL
- COMPACT DESIGN WITH METAL, REINFORCED CASE

TECHNICAL FEATURES

APPLIED DIRECTIVES	EN 60079-0, EN 60079-1, EN 60079-31, EN 60947-5-1
HOUSING MATERIAL	DIE-CAST, REINFORCED ALUMINIUM
SWITCHING ELEMENTS	1 CHANGE-OVER CONTACT WITH SINGLE BREAK, TYPE C
CONNECTION SECTION	4 X 0.75 MM ³ INCLUDING CABLE LUG
CABLE LENGTH	2 M
SURROUNDING TEMPERATURE	-20° C - +60° C
EXPLOSION PROTECTION	 II 2G EX DB IIC T6 GB  II 2D EX TB IIIC T80 GB °C DB

PART NUMBER	DESCRIPTION MICROSWITCH DIVIDER KIT
3164135	MICROSWITCH
3049099	BRACKET
0641829	SMX-ELEMENT + PIN 04 CC
0641830	SMX-ELEMENT + PIN 08 CC
0641831	SMX-ELEMENT + PIN 16 CC
0641832	SMX-ELEMENT + PIN 25 CC
0641695	SMX-ELEMENT + PIN 35 CC
0641696	SMX-ELEMENT + PIN 40 CC
0641697	SMX-ELEMENT + PIN 50 CC
0641698	SMX-ELEMENT + PIN 60 CC
0641699	SMX-ELEMENT + PIN 65 CC
0641492	SMX 0.04-0.25 FOR MICRO SUPPORT
0641488	SMX 0.35-0.65 FOR MICRO SUPPORT



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ATEX CYCLE SENSORS NAMUR

These sensors are products which are compliant with the ATEX directive, designed to prevent the generation of ignition sources in potentially explosive atmospheres, guaranteeing a proper functioning of the lubrication system in the environment.

They are useful for controlling the lubrication cycle and verifying correct lubrication, designed for monitoring the spool movements in the elements of the progressive systems, on which the operating principle is based.

They are the ideal solution for all types of lubrication applications that require minimal, but accurate, dosing of lubricant into reduced spaces. They operate with standard DropsA SMX dividers, without any particular precautions, as an accessory to be screwed in place of the normal element, without the need to modify the dividing assembly in any way.

This sensor has no moving parts for less wear and longer life.



KEY FEATURES

- II 1G EX IA IIC T5/6
- SUITABLE FOR SMX PROGRESSIVE DIVIDERS
- SUITABLE FOR ALL TYPES OF LUBRICATION
- FOR SAFE AND CONTROLLED LUBRICATION
- EASY TO INSTALL
- COMPACT DESIGN
- NO WEAR AND LONGER DURATION

TECHNICAL FEATURES

ELECTRICAL DATA

VOLTAGE SUPPLY RANGE 5-30 VDC

MECHANICAL DATA

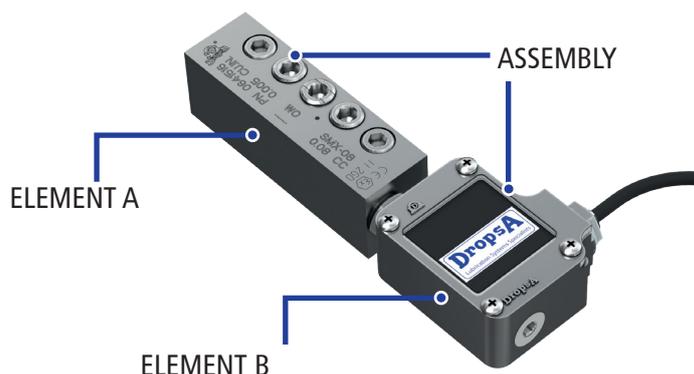
TYPE CYLINDRICAL THREADED

AMBIENT CONDITIONS

OPERATING TEMPERATURE -25 - +75 °C

SAFE MAXIMUM VALUES

MARKING II 1G EX IA IIC T5/6



ASSEMBLY	ELEMENT A	ELEMENT B	DIMENSION	NAME
PART NUMBER	PART NUMBER	PART NUMBER		
642180	641845	1655171	0,04	SMX 04
642181	641846	1655171	0,08	SMX 08
642182	64184 7	1655171	0,16	SMX 16
642183	641848	1655171	0,25	SMX 25
642184	641616	1655172	0,35	SMX 35
642185	641617	1655172	0,40	SMX 40
642186	641618	1655172	0,50	SMX 50
642187	641619	1655172	0,60	SMX 60
642188	641620	1655172	0,65	SMX 65