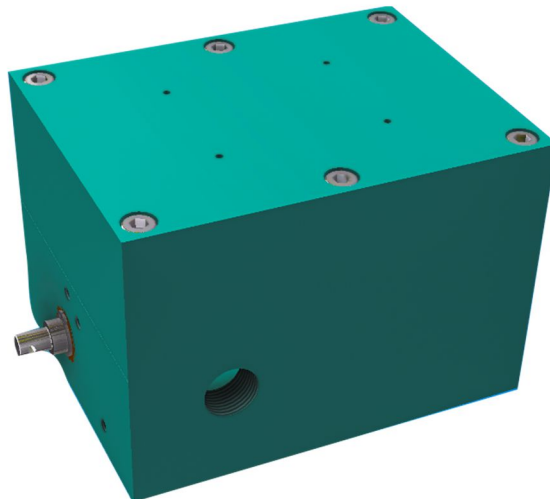




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BOX A

Explosion Proof execution Rotary limit switch





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DESCRIPTION

The revolving limit switch is a device used to control the movement of industrial machines. It is an auxiliary command, for which it intervenes on the machine motor through a power interface, such as a contactor or a PLC. It can be connected via the shaft to a motor so that, after a certain number of revolutions, the cams intervene on the switches allowing the predetermined maneuver.

Features

Available in two sizes, 0 and 1, it has a range of reduction ratios ranging from 1:15 to 1: 150. For the transmission of motion from the input shaft to the output shaft, a worm / helical toothed gear pair and one or more pairs of straight toothed gears are used. The gear ratios are obtained by appropriately varying the pairs of gears between the input and output shafts, connected to the cams that operate the switches. Each cam can be precisely adjusted using the adjustment screws. The small overall dimensions allow installation in limited spaces. The switches for auxiliary control are positive opening.

Case, exceptionally robust and available with two or four contacts, it is built in a special aluminum alloy with low copper and magnesium content of compact dimensions to ensure reduced dimensions

Approval marks standards

- Compliance with Community Directives: 2006/95 / CE: low voltage directive 2006/42 / CE: machinery directive

- Compliance with Standards: EN 60204-1 Safety of machinery - Electrical equipment of the machines

EN 60204-32 Safety of machinery -Electrical equipment of machines - Requirements for lifting machines

EN 60947-1 Low voltage equipment

EN 60947-5-1 Low voltage equipment - Devices for control circuits and operating elements - Electromechanical devices for control circuits

EN 60529 Degrees of protection provided by enclosures

General technical characteristics of electrical components

- Ambient temperature - Storage: -40 ° C / + 55 ° C



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- Ambient temperature - Operation: $-50^{\circ}\text{C} / +55^{\circ}\text{C}$
- Degree of protection: IP 66
- Insulation category: Class II
- Maximum rotation speed: 800 rpm.

Technical characteristics of microswitches

Utilization category: AC 15/3 A / 250 V

- Nominal thermal current: 10 A
- Rated insulation voltage: 300 V ~
- Mechanical durability: 1×10^6 maneuvers
- Connections: with 6.3 mm Faston or with screw clamp terminals
- The PRSL0003XX quick opening switch has 1 contact

NO + 1 NC contact in exchange.

- The quick opening switch PRSL0011XX has 1 contact

NO + 1 NC contact in exchange.

All NC contacts have a positive opening operation.

The switches are internally structured according to the wiring diagram of reference

OPTIONS: Cast iron or AISI 316 case

CABLE ENTRIES

The possible cable entries are up to four, the possible threads are the following:

Conic:

$\frac{1}{2}$ " • 1" UNI 6125 GK

$\frac{1}{2}$ " • 1" NPT

cylindrical:

M20 • 32 x 1.5 ISO 965/1 and ISO 965/3 medium class

$\frac{1}{2}$ " • 1" UNI / ISO228



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CERTIFICATION

Conformity to ATEX Directive 2014/34 / UE

EN 60079-0 Explosive atmospheres. Equipment general requirements

EN 60079-1 Explosive atmospheres. Equipment protection by flameproof enclosures "d"

EN 60079-31 Explosive atmospheres. Equipment dust ignition protection by enclosure "t"

Conformity to the IECEx certification scheme

EN 60079-0 Explosive atmospheres. Equipment general requirements

EN 60079-1 Explosive atmospheres. Equipment protection by flameproof enclosures "d"

EN 60079-31 Explosive atmospheres. Equipment dust ignition protection by enclosure "t"

Certificates:

ATEX: INERIS 11ATEX0057X

IECEX: IECEX INE 11.0027X

Ways of protection

Exd IIB T4 / T6 Gb

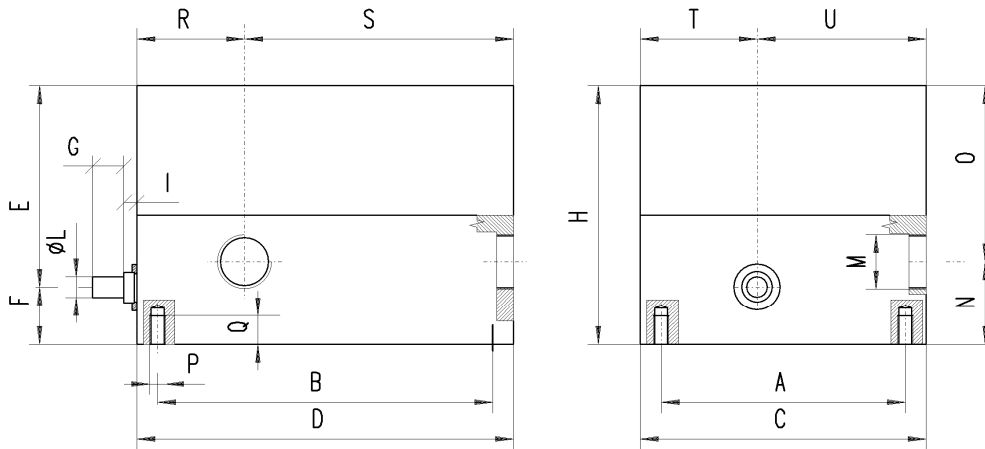
Exd IIC T4 / T6 Gb (only BOX 0)

Extb IIIC Db IP 66 T135 ° C / T85 ° C



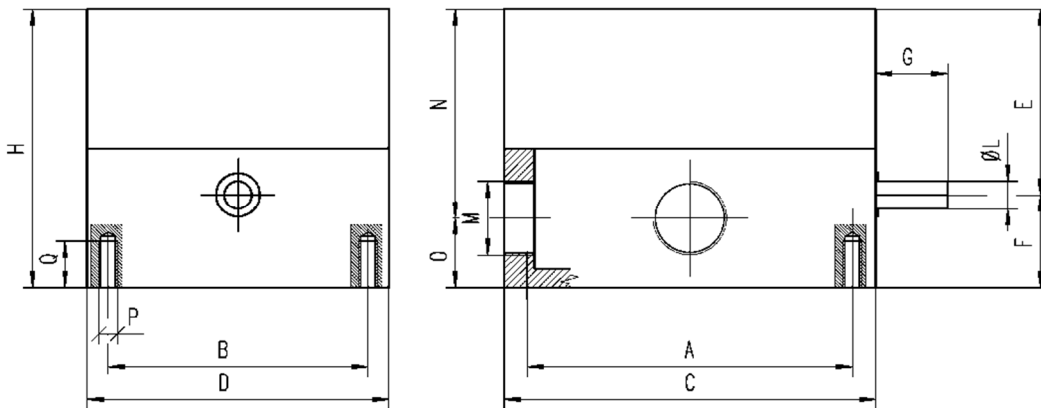
DIMENSION

BOX 0



TYPE TIPO	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	U
BOX 0/A [mm]	94	130	110	145	78	22	12 or 27	100	5	8 or 12	M20*1.5	32	68	M6	12	41.5	103.5	45	65

BOX 1



TYPE TIPO	A	B	C	D	E	F	G	H	L	M	N	O	P	Q
BOX 1/A [mm]	140	110	160	130	86	34	31	120	12	M25*1.5	90	30	M8	20

Product quality assurance: INERIS 05 ATEX Q708 INERIS FR/INE/QAR11.0005/07