









Directive 2014/34/EU ATEX

Products classified for use in potentially explosive atmospheres

The ATEX Directive 2014/34/EU (equipment and protective systems intended for use in potentially explosive atmospheres) of the European Parliament of and the Council of 26 February 2014 concerns the harmonisation of the laws of the Member States relating to equipment and protective systems intended to be used in potentially explosive atmospheres.

The European "ATmosphère EXplosible" Directive, called ATEX, is required by the law of all the EU Member States since 1 July 2013 and it concerns all the products marketed in the European Union intended for use in potentially explosive areas.

The first issue in 1994 has been replaced by the **2014/34/EU Directive**, which finally came into force on 20 April 2016.

- The Directive includes non electrical equipment and devices, such as pneumatic cylinders
- The devices are assigned to categories that are assigned to specific potentially explosive areas
- · The devices must bear the CE-Ex marking
- Products designed for use in potentially explosive areas must be accompanied by instructions for use and declaration of conformity
- Products indented for use in potentially explosive areas due to the presence of dusts as well as hazardous gases are included in the directive.

A potentially explosive atmosphere can be composed of gases, mists, vapours or dusts which can originate in factories or in all areas with constant or occasional presence of flammable substances. An explosion can take place in case of simultaneous presence of flammable substances and a source of ignition in a potentially explosive atmosphere.

A source of ignition can have:

- Electric origin (electric arcs, induced currents, heat generated by the Joule effect)
- Mechanical origin (hot surfaces generated by friction, sparks generated by impact between metal bodies, electrostatic discharge, adiabatic compression)
- Chemical origin (exothermic reactions between materials)
- Open flames

Products implying one or more sources of ignition for potentially explosive atmospheres during normal use or caused by malfunctions are subject to approval.

The producer must ensure the conformity of the product to what is declared and indicated on the marking of the product itself.

The product must always be accompanied by the relevant instruction. The machinery manufacturer and/or user must identify the risk zone the products are used in, with reference to the Directive 99/92/CE, and buy the product complying with the use in the provided zone, paying attention to the relevant instructions.

If a product is composed of 2 components with different marking the component belonging to the lower category determines the category of the whole product.

Example:

Coil suitable for Category 3 (zone 2/22), marked Ex - II 3 EEx...

Valve suitable for Category 2 (zone 1/21), marked Ex - II 2 EEx...

The combination of valve and coil can only work in Category 3 (zone 2/22).



EQUIPMENT CLASSIFICATION

| Group I Min | iroup I Mining equipment | | |
|-------------|--------------------------|---|--|
| CATEGORY | PROTECTION LEVEL | APPLICATIONS | |
| M1 | Very high | Equipment which can be used in presence of explosive atmospheres | |
| M2 | High | Equipment which must be not operated in presence of explosive atmospheres | |

| Group II Surface equipment | | | | | | |
|----------------------------|---------------------|---|-------------|--------------|--|--|
| CATEGORY | PROTECTION LEVEL | APPLICATIONS | GAS ZONE | DUST ZONE | | |
| 1 | Very high | Presence of explosive atmosphere: always, frequently and for long periods of time | 0 | 20 | | |
| 2 | High | Presence of explosive atmosphere: probable | 1 | 21 | | |
| 3 | Normal | Presence of explosive atmosphere: low probability and for a short period of time | 2 | 22 | | |

| Explosion group | | |
|-----------------|--|--|
| II | For all gases of Group II, if protection class requires it. Ex. "nA" See EN.50021 | |
| IIA | For all gases of Group IIA, if protection class requires it. Ex. "ia" See EN.50020 | |
| IIB | For all gases of Group IIA - IIB, if protection class requires it. Ex. "ia" See EN.50020 | |
| IIC | For all gases of Group IIA - IIB - IIC, if protection class requires it. Ex. "ia" See EN.50020 | |

TEMPERATURE CLASSIFICATION

| Group I Mining equipment | |
|--|------------------------|
| Temperatures ≤150°C or ≤ 450°C according to the dust layer | |
| | that covers the device |

| Group II Sur | roup II Surface equipment | | | | |
|--------------|--------------------------------|---------------------------------------|--|--|--|
| T-Class | MAXIMUM SURFACE TEMPERATURE | MINIMUM IGNITION TEMPERATURE OF GASES | | | |
| T1 | 450 °C | >450 °C | | | |
| T2 | 300 °C | >300 °C - ≤450 °C | | | |
| T3 | 200 °C | >200 °C - ≤300 °C | | | |
| T4 | 135 ℃ | >135 °C - ≤200 °C | | | |
| T5 | 100°C | >100 °C - ≤135 °C | | | |
| T6 | 85 °C | >85 °C - ≤100 °C | | | |

HOW TO READ THE MARKING

EXAMPLE OF ATEX MARKING

Type of equipment

Mechanical

- **C €** = European Community Mark
- (Ex) = Conformity Mark with reference to Directive 2014/34/UE and relevant technical rules
- II = Group II, equipment for surface industries
- 2 = Equipment of Category 2
- G = Equipment for use with GAS zone 1 and 2
- D = Equipment for use with DUSTS zone 21 and 22
- c = Type of protection applied, i.e. constructional safety (EN 13463-5)
- IIC = GAS Group
- **T5** = Temperature class (GAS)
- **T100°C** = Maximum surface temperature (DUST)

COMPONENTS AND ACCESSORIES WITHOUT ATEX CLASSIFICATION

Accessories for UNIVER products (fittings, silencers, nipples, nuts, tubes, reservoires, pressure gauges, manual valves, check valves, quick exhaust valves, blocking valves, selectors, limit switches and any other accessoires which can be attributed to various product families) can be used in ATEX zones 1,2 and 21,22.

The accessories are not sources of ignition if assembled correctly according to instructions for use and maintenance, therefore they can't change in any way the classification of the products they are assembled on, in compliance with the directive 2014/34/EU.





CATEGORY 2

CATEGORY 2

ATEX Product range Group II - Category 2 and 3

CYLINDERS - Category II certificate n. 557/EX - Ab2412/15

M ISO 6432 Microcylinders - Ø 8 ÷ 25 mm



Type

- Stainless steel piston rod
- Chromium-plated steel piston rod

Version

- D.A. Standard version
- D.A. Through piston rod
- D.A. With adjustable cushionings
- D.A. Through piston rod with adjustable cushionings
- S.A. Retracted piston rod
- S.A. Extended piston rod

(€ Ex II 2Gc IIC T5 II 2Dc T100°C

KL/K/KE/KD ISO 15552 Pneumatic Cylinders - Ø 32 ÷ 125 mm



Type

- Stainless steel piston rod
- Chromium-plated steel piston rod

Version

- D.A. Standard version
- D.A. Through piston rod
- S.A. Retracted piston rod
- S.A. Extended piston rod

(€ (x) II 2Gc IIC T5 II 2Dc T100°C

K160/200 ISO 15552 Pneumatic Cylinders - Ø 160/200 mm



Type

- Stainless steel piston rod
- Chromium-plated steel piston rod

Version

- D.A. Standard version
- D.A. Through piston rod

CATEGORY 2

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(€ (x) II 2Gc IIC T5 II 2Dc T100°C

RP UNITOP Compact Cylinders - Ø 16 ÷ 63 mm



Type

- Stainless steel female piston rod
- Chromium-plated steel female piston rod
- Stainless steel male piston rod
- Chromium-plated steel male piston rod

Version

- D.A. Standard version
- D.A. Through piston rod
- D.A. Long piston
- S.A. Retracted piston rod
- S.A. Extended piston rod

C € €x II 2Gc IIC T5 II 2Dc T100°C

RM ISO 21287 Compact Cylinders - Ø 16 ÷ 100 mm



Type

- Stainless steel male piston rod
- Chromium-plated steel male piston rod
- Stainless steel female piston rod
- Chromium-plated steel female piston rod

Version

- D.A. Standard version
- D.A. Through piston rod
- D.A. Long piston
- S.A. Retracted piston rod
- S.A. Extended piston rod

C € ⟨ II 2Gc IICT5 | II 2Dc T100°C



RO UNITOP Compact Cylinders octagonal tube - Ø 16 ÷ 63 mm **NON-ROTATING**



- Stainless steel female piston rod with flange D.A. Standard version
- Chromium-plated steel female piston rod with flange

Version

- D.A. Through piston rod
- D.A. Long piston



CATEGORY 2

CATEGORY 2

RN ISO 21287 Compact Cylinders octagonal tube - Ø 16 ÷ 63 mm NON-ROTATING



- Stainless steel male piston rod
- Chromium-plated steel male piston rod

Version

- D.A. Standard version
- D.A. Through piston rod
- D.A. Long piston



RS STRONG Compact Cylinders - Ø 32 ÷ 100 mm



- Stainless steel female piston rod
- Chromium-plated steel female piston rod
- Stainless steel male piston rod
- Chromium-plated steel male piston rod

Version

- D.A. Standard version
- D.A. Through piston rod
- D.A. Long piston
- S.A. Retracted piston rod
- S.A. Extended piston rod

RQ STRONG Compact Cylinders octagonal tube - Ø 32 ÷ 63 mm



Type

- Stainless steel female piston rod with flange D.A. Standard version
- Chromium-plated steel female piston rod with flange
- Stainless steel male piston rod
- Chromium-plated steel male piston rod

Version

- D.A. Through piston rod
- D.A. Long piston

CATEGORY 2

CATEGORY 2

CATEGORY 2



OV Oval Cylinders - Ø 18 ÷ 80 mm



- Stainless steel female piston rod
- Chromium-plated steel female piston rod
- Stainless steel male piston rod
- Chromium-plated steel male piston rod

Version

- D.A. Standard version
- D.A. Through piston rod
- D.A. Hollow through piston rod

W Short Stroke Cylinders - Ø 12 ÷ 100 mm



Type

- Stainless steel female piston rod
- Stainless steel piston rod with male rear hinge

Version

- D.A. Standard version
- D.A. Through piston rod
- D.A. Hollow through piston rod
- S.A. Retracted piston rod
- S.A. Extended piston rod

(€ ⟨**E**x⟩ || 2Gc ||C T5 || 1 2Dc T100°C





S1 Rodless Cylinders Standard version - Ø 16 ÷ 50 mm



Carriage type

- Standard carriage
- Medium carriage (except for Ø16)
- Long carriage (except for Ø16)

Stroke (mm)

Up to 5000 (Ø16) Up to 6000 (Ø25÷50) CATEGORY 2

C € ⟨Ex⟩ || 2Gc ||CT5 || 12Dc T100°C

L1-N Locking unit for cylinders and piston rods



Cylinder bore (mm)

Ø 16-20-25-32-40-50-63-80-100-125

Piston rod bore (mm)

Ø 6-8-10-12-16-20-25-32

CATEGORY 2

CATEGORY 2

C € ⟨Ex⟩ II 2Gc IIC T5 II 2Dc T100°C

RT 2/3 stage Telescopic Pneumatic Cylinders Ø 25 ÷ 63 mm



Type

- Stainless steel piston rod
- Chromium-plated steel piston rod

Version

- D.A. Female piston rod
- D.A. Male piston rod

C € ⟨Ex⟩ II 2Gc IIC T5 II 2Dc T100°C

VALVES - Category II certificate n. 557/Ex - Ab 2411/15

Solenoid valves are supplied without coil and connector. The choice of the coil determines the ATEX category.

B 10 mm Nanovalves



Version 3/2 NC, 3/2 NO

Connections

on sub-base

($\in \langle Ex \rangle$ II 3 GD c nA II T5 -10 $^{\circ}$ C \leq Ta \leq 45 $^{\circ}$ C

A ISO 15218 - 15 mm Microvalves



Version

2/2 NC, 2/2 NO 3/2 NC, 3/2 NO Connections

interface on sub-base

CATEGORY 3

CATEGORY 3

 $(\xi \times \mathbb{I})$ II 3 GD c nA II T5 -10 °C \leq Ta \leq 45 °C

AA U1 Miniature Electropilots



Version

2/2 NC 3/2 NC, 3/2 NO Connections

M5, G1/8, CNOMO, for sub-base

CATEGORY 2

C € ⟨€x⟩ II 2Gc IICT5 II 2Dc T100°C

AB U2 Miniature Electropilots



Version

2/2 NC 3/2 NC, 3/2 NO **Connections**

G1/8, G1/4, CNOMO, for sub-base

CATEGORY 3

($\in \langle x \rangle$ II 3 GD c nA II T5 -10 °C \leq Ta \leq 45 °C

D.A. = Double acting

S.A. = Single acting



BE ISO 5599/1 Valves size 1-2-3-4



Version

- Single/double pneumatic impulse
- Single/double electrical impulse

Connections

on sub-base

CATEGORY 2

C € €x II 2Gc IIC T5 II 2Dc T100°C

AE ISO 5599/1 Light Series Valves size 1-2



Version

- Single/double pneumatic impulse
- Single/double electrical impulse

Connections

on sub-base

CATEGORY 2

C € €x II 2Gc IIC T5 II 2Dc T100°C

BDA ISO 02 (18 mm), ISO 01 (26 mm) ISO 15407/1-2 Valves





Version

- Single/double pneumatic impulse

Connections

on sub-base

CATEGORY 2

(€ (x) II 2Gc IIC T5 II 2Dc T100°C

AC-N NAMUR Valves



Versio

- Single/double pneumatic impulse
- Single/double electrical impulse

Connections

G1/4

CATEGORY 2

C € €x II 2Gc IIC T5 II 2Dc T100°C

CL/CM UNIVERSAL Valves G1/8 - G1/4



Version

- Mechanical operation
- Manual operation
- Single/double pneumatic impulse
- Single/double electrical impulse

Connections

G1/8, G1/4

CATEGORY 2

C € €x II 2Gc IIC T5 II 2Dc T100°C

E COMPA 2 Miniature Valves



Version

- Mechanical operation
- Manual operation
- Single/double pneumatic impulse

Connections

M5, for sub-base

CATEGORY 2

(€ (x) II 2Gc IIC T5 II 2Dc T100°C



Version

- Single/double electrical impulse

Connections

M5, for sub-base

CATEGORY

(€ (Ex) II 3 GD c nA II T5 -10 °C ≤ Ta ≤ 45 °C



F COMPA 4 Miniature Valves



Version

- Single/double pneumatic impulse

Connections

for sub-base

CATEGORY 2



(€ (Ex) II 2Gc IICT5 II 2Dc T100°C



Single/double electrical impulse

Connections

for sub-base



G6/GL6 20 mm - Valves and Solenoid Valves



Version

Version

- Single/double pneumatic impulse

Single/double electrical impulse

Connections

G1/8, for sub-base

CATEGORY 2

Connections

G1/8, for sub-base

CATEGORY 3



($\in \langle Ex \rangle$ II 3 GD c nA II T5 -10 °C ≤ Ta ≤ 45 °C

(€ ⟨€x⟩ || 2Gc ||C T5 || 1 2Dc T100°C

G7 26 mm - Valves and Solenoid Valves



Version

- Single/double pneumatic impulse
- Single/double electrical impulse

Connections

CATEGORY 2

C € (Ex) II 2Gc IIC T5 II 2Dc T100°C

PS COMBOBOX Valves



Single/double pneumatic impulse

Connections

tube Ø 4, 6, 8

CATEGORY 2

C € €x II 2Gc IICT5 II 2Dc T100°C

AC MIXED Valves G1/8 - G1/4 - G1/2

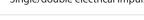


Version

- Mechanical operation
- Manual operation
- Single/double pneumatic impulse
- Single/double electrical impulse

Connections G1/8, G1/4

CATEGORY 2



Connections

G1/2

CATEGORY 3



- Single/double electrical impulse (versions with U2 coil)

C € ⟨Ex⟩ II 2Gc IIC T5 II 2Dc T100°C

(€(x) II 3 GD c nA II T5 -10 °C ≤ Ta ≤ 45 °C

CH 2/2 - 3/2 Poppet Valves



Version

- Mechanical operation
- Manual operation

Connections

G1/8

CATEGORY 2

C € €x II 2Gc IICT5 II 2Dc T100°C



AF Poppet Valves for compressed air G1/8 ÷ G1 1/2







Version

- Single pneumatic impulse
- Single electrical impulse

Connections

G1/8 ÷ G1 1/2

CATEGORY 2

CATEGORY 3

C € ⟨Ex⟩ II 2Gc IIC T5 II 2Dc T100°C

Version

- Single electrical impulse (versions with U2 coil)

Connections

G1/4 ÷ G1 1/2

(€ (Ex) II 3 GD c nA II T5 -10 °C \leq Ta \leq 45 °C

AG Poppet Valves for vacuum G1/8 ÷ G1 1/2







Version

- Single pneumatic impulse
- Single electrical impulse

Connections

G1/8 ÷ G1 1/2

CATEGORY 2







Version

- Single electrical impulse (versions with U2 coil)

Connections

G1/4 ÷ G1 1/2

CATEGORY 3

(ξx) II 3 GD c nA II T5 -10 °C \leq Ta \leq 45 °C

AI-JET Pneumatic Switches





Version

- Mechanical operation
- Manual operation

Connections

M5, tube Ø4

CATEGORY 2

C € ⟨Ex⟩ II 2Gc IIC T5 II 2Dc T100°C

AI-JET2 Valves with panel operation 3/2 - 5/2 - 5/3





Version

- Manual operation

Connections

M5, tube Ø4

CATEGORY 2

C € € II 2Gc IIC T5 II 2Dc T100°C

AM Pneumatic and Solenoid Foot Valves



Version

- Mechanical operation

Connections

G1/8, G1/4

CATEGORY 2

C € €x II 2Gc IIC T5 II 2Dc T100°C

P10/P15 COMPACT Valves



- Single/double pneumatic impulse

Connections

M5, G1/8, for sub-base

CATEGORY 3

 $(\xi \times \mathbb{I})$ II 3 GD c nA II T5 -10 °C \leq Ta \leq 45 °C



AP Binary Counter (flip-flop)



Version

- Single pneumatic impulse
- Single electrical impulse

Connections

G1/8



CATEGORY 2

C € ⟨Ex⟩ II 2Gc IIC T5 II 2Dc T100°C

AM Complementary Valves



Version

- AM-50 Flow control valve
- AM-51 Signal processing valve
- AM-52 Gradual starter
- AM-53 Economizer
- AM-54 Check valve
- AM-55 Blocking valve

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COILS

DA/DB/DC/DD/DE Coils



30 mm (U1/U3)

DC-0502L300Z 24 V DC 5,3 W DC-0507L300Z 24 V AC 50/60 Hz 10 VA DC-0509L300Z 110 V AC 50/60 Hz 10 VA DC-0510L300Z 230 V AC 50/60 Hz 10 VA CATEGORY 2



10 mm (U04)

DE-052L030X 24 V DC 1,2 W With loose cables (length 300 mm)

22 mm (U1)

DA-0050X 12 V DC 3,5 W **DA-0051X** 24 V DC 3,5 W DA-0106X 24 V AC 50/60 Hz 5 VA DA-0108X 110 V AC 50/60 Hz 5 VA 15 mm (U05) DD-051L030X 24 V DC 2 W

With loose cables (length 300 mm)

30 mm (U2)

DB-0501X 12 V DC 11 W DB-0502X 24 V DC 11 W DB-0507X 24 V AC 50/60 Hz 10 VA DB-0509X 110 V AC 50/60 Hz 10 VA **DA-0124X** 230 V AC 50/60 Hz 5 VA DB-0510X 230 V AC 50/60 Hz 10 VA 30 mm (U3)

C € ⟨Ex⟩ II 2Gd Ex mb II eT4 Gb

C € ⟨Ex⟩ II 2Gd Ex mb IIIC T135° CDb

DC-0301X 12 V DC 2,5 W DC-0302X 24 V DC 2,5 W

DC-0307X 24 V AC 50/60 Hz 3,3 VA DC-0309X 110 V AC 50/60 Hz 3,3 VA DC-0310X 230 V AC 50/60 Hz 3,3 VA

Connectors are included.

($\in \langle Ex \rangle$ II 3 GD c nA II T5 -10 °C \leq Ta \leq 45 °C

SENSORS

DF/DH Magnetic and Electronic Proximity Sensors



Type

- Electromechanical

- Electronic

DH-100 DF-220 DF-330 DH-200 DF-440 DH-500

CATEGORY 3

 $(\xi \times \mathbb{I})$ II 3 GD c nA II T5 -10 °C \leq Ta \leq 45 °C



AIR TREATMENT

HZE Air Treatment Units



Size

- Small size 0 (G1/4)
- Medium size 1 (G3/8 G1/2)
- Large size 2 (G1/2)

Connections G1/4, G3/8, G1/2

CATEGORY 3

($\not\in$ x II 3 GD c nA II T5 -10 °C \le Ta \le 45 °C

AUTOMOTIVE - Category II certificate n. 557/Ex - Ab 2413/15

UBP/UBH/IBP UNIVERSAL Pneumatic Power clamps



Version

- UNIVERSAL Pneumatic Power clamp (UBP/UBH)
- UNIVERSAL Pneumatic power clamp interchangeable with size 50/63 mm (IBP)

Ø Cylinder (mm)

- 32, 40, 50, 63, 80 (UBP)
- 40, 63 (UBH)
- 40 (IBP)

CATEGORY 2

C € € II 2Gc IIC T4 II 2Dc T135°C

UNP/UNM/DMS Clamps conforming to the N.A.A.M.S. and CNOMO standard



Version

- UNIVERSAL Pneumatic power clamps conforming to the N.A.A.M.S. Standard (UNP)
- UNIVERSAL Pneumatic power clamps with hand lever conforming to the N.A.A.M.S. Standard (UNM)
- Pneumatic power clamps conforming to the CNOMO Standard (DMS)

Ø Cylinder (mm)

- 50, 63, 80 (UNP)
- 50, 63 (UNM)
- 32, 40, 50, 63 (DMS)

CATEGORY 2

UBM/UBQ/UBT/IBM Pneumatic Power clamps with hand lever



Version

- UNIVERSAL Pneumatic power clamp with hand lever (UBM)
- UNIVERSAL Pneumatic power clamp with hand lever (UBQ)
- UNIVERSAL Pneumatic power clamp with hand lever interchangeable with size 50/63 mm (IBM)
- UNIVERSAL Pneumatic power clamp with central hand lever (UBT)

Ø Cylinder (mm)

- 40, 50, 63, 80 (UBM)
- 40, 63 (UBO)
- 40 (IBM, UBT)

CATEGORY 2

UDP Pneumatic power clamp with 2 arms



Version

- Pneumatic power clamp with 2 arms

Ø Cylinder (mm)

- 40, 63

CATEGORY 2

(€ (Ex) II 2Gc IIC T4 II 2Dc T135°C



CATEGORY 2

LCP/LCJ/LCR/LCZ/LCG Pneumatic retractable locating pin units, single rod



- Pneumatic retractable locating pin units (LCP)
- Pneumatic retractable locating pin units, higher traction force (LCJ)
- Pneumatic retractable locating pin units compact end caps (LCR)
- Pneumatic retractable locating pin unit toggle-joint mechanism (LCZ)
- Pneumatic retractable locating pin units conforming to CNOMO Standard with electronic sensor (LCG)

Ø Cylinder (mm) - 32, 50, 63 (LCP)

- 50 (LCJ) - 40 (LCZ)
- 50, 63 (LCR, LCG)

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LCM/LCY/LCQ Pneumatic retractable locating pin units with hand lever, single rod



Version

- Pneumatic retractable locating pin units with hand lever (LCM)
- Pneumatic retractable locating pin units with hand lever and toggle-joint mechanism (LCY)
- Pneumatic retractable locating pin units with hand lever and electronic sensor (LCQ)

Ø Cylinder (mm)

- CATEGORY 2 - 50 (LCM)
- 40 (LCY)
- 50, 63 (LCQ)

(€ ⟨€x⟩ || 2Gc ||C T4 || || 2Dc T135°C

LCA/LCS/LCT Pneumatic retractable locating pin units, double rod



Version

- Pneumatic retractable locating pin units (LCA)
- Pneumatic retractable locating pin units compact end caps (LCS)
- Pneumatic retractable locating pin units toggle-joint mechanism (LCT)

Ø Cylinder (mm) - 40, 63 (LCA)

- 63 (LCS)

C € ⟨Ex⟩ || 2Gc ||C T4 || 1| 2Dc T135°C

LCO/LCX Pneumatic retractable locating pin units with hand lever, double rod



Version

- Pneumatic retractable locating pin units with hand lever (LCO)
- Pneumatic retractable locating pin units with hand lever and toggle-joint mechanism (LCX)

Ø Cylinder (mm)

- 50

CATEGORY 2

CATEGORY 2

CATEGORY 2

CATEGORY 2

(€ ⟨Ex⟩ || 2Gc ||C T4 || || 2Dc T135°C

LSP/LTP Pneumatic pin clamp



Version

- Pneumatic pin clamp (LSP)
- Pneumatic pin clamp-horizontal shape (LSP50U)
- Pneumatic pin clamp with vanishing hook (LTP)

Ø Cylinder (mm)

- 32, 50 (LSP)
- 40 (LSP50U)
- 50 (LTP)

C € ⟨Ex⟩ II 2Gc IIC T4 II 2Dc T135°C

UGP/UGM/LGPS Pneumatic gripper units for assembly



- Pneumatic gripper unit (UGP)
- Pneumatic gripper unit with hand lever (UGM)
- Single and double pneumatic gripper unit (LGPS)

Ø Cylinder (mm)

- 40 (UGP)
- 40 (UGM)
- 32, 40 (LGPS)

(€ (x) || 2Gc || CT4 || 1| 2Dc T135°C



