



## Technical data

### Service pole **50** in aluminium

#### Description

##### Use

- For supply of workstations from the ceiling in open-plan rooms
- Easy maintenance and adaptable to future changes in the structure and location of the workstations.
- Solid aluminium structure and rigid fixing system.
- Pole's socket boxes can accommodate all types of switches and sockets and they can be enlarged according to the requirements.
- Fittings in two pieces which offers the possibility to mount the most common switches and sockets of the market assuring a solid fixing.

##### Design

- Aluminium material in anodized aluminium grey colour.
- Slender structures providing the minimum necessary diameter for wiring, easily adaptable to the space distribution and to any relocation.
- Minimalist and modern design.

##### Installation

- The pole's inner bar and the covers are cut at the required length. Ceiling fixing by pressure, with a non-skid joint.
- The embellishing pieces allows the mounting from ceiling or suspended ceiling.
- Pole's socket boxes can be pre-wired in workshop before assembling on the site.
- Cable retainers facilitates wiring and mounting of covers.
- Covers and embellishing pieces fixing by pressure.
- Covers with protective film. Ensures that the product remains in perfect conditions during transport and application.

#### Quality Marks <sup>(1)</sup>



GOST R 50827:2009  
Part 1 to 5  
licence n°: POC.C. ES.  
A175.H02240

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### Characteristics

#### RAW MATERIAL

Service pole	Aluminium (See technical data for raw material).
Service pole socket box	U24X (See technical data for raw material).

#### APPLICATIONS

Applications	Indoor installations.
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#### SILICONE CONTENTS

Silicone free	<0,01%
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#### DIRECTIVE 2011/65/EU

RoHS Compliant <sup>(1)</sup>	Compliant.
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#### EN 50085-2-4:2009

Minimum storage and transport temperature	-45°C
Minimum installation and application temperature	-5°C
Maximum application temperature	+60°C
Resistance against mechanical impacts during mounting and use	2 J at -5°C
Resistance to flame propagation	Non-flame propagation.
Electrical continuity characteristic	With electrical continuity characteristic.
Electrical insulating characteristic	Without electrical insulating characteristic.
Protection degree assured by the enclosure	IP4X.
Retention of the system access cover	Cover removable only with the aid of a tool.
Electrically protective separation	With internal protective separation.
According to floor treatment	Service poles for wet-treatment of floor
According to resistance to vertical load applied through a small surface area	Not declared.

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#### EN 50085-2-4:2009

According to resistance to vertical load applied through a large surface area	Not declared.
Constraints concerning the number or configuration of assembled modules	No.
Whether non vertical mounting is allowed	No.
Whether the flexible component is not part of the enclosure	No.
Protection against mechanical damage	IK07
Rated Voltage	750 V
Linear impedance	2,82 10 <sup>-8</sup> Ohm/m
Fixing for apparatus mounting of socket outlets	Resistance to extraction of 81 N

#### EN 60695-2-11:2001

Glow-wire test	Severity degree: 960°C.
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### Compulsory regulations

#### EUROPEAN DIRECTIVE 2014/35/CE

CE Marking	Conformity with standard EN 50085-2-4:2009.
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### Characteristics of aluminium raw material

- Base raw material: Aluminium
- UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Non-combustible <sup>(2)</sup>
- Coefficient of linear expansion: 0,02 mm/°Cm <sup>(2)</sup>

### Characteristics of U24X raw material

- Base raw material: PVC.
- Silicone contents: <0,01%. <sup>(3)</sup>
- Phtalate contents according to ASTM D2124-99:2004: <0,01%. <sup>(3)</sup>
- Dielectric strength: Insulating.
- Reaction to fire s/UNE 201010:2015: Classification: M2.

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### Notes

1. Except for new part numbers, which are under process of obtaining quality marks and approvals.  
[www.unex.net/QM.pdf](http://www.unex.net/QM.pdf)

2. All features marked are based on random tests of the material in the manufacture of our products. However, they only reflect the values accepted by the raw material manufacturers, which are provided only as information and guidance.

3. Detection limit for the analytical technique applied.

\* All information contained herein is completely objective and is the result of a wide experience in satisfying our costumers' requirements . For more details, please visit our website.

\*\* Unex aparellaje eléctrico, S.L. reserves the right to modify any characteristics of the products manufactured. This document is an uncontrolled copy and will not be updated if its content changes.

29/8/2016