



Technical specification

Trunking **93** in **U23X** white colour



Description

Use

- Internal cover designed for mounting of switches and sockets.
- Fixed compartments, with independent lids and possible sub-divisions with a removable divider that allows to separate and protect circuits of different services.
- Fittings in two pieces which offer the possibility of mounting the most common switches and sockets and assuring a solid fixing.
- The system of adapters and plates allows the mounting of the most common switches and sockets in the market.

Design

- Length: 2m and perforated base every 250mm for a faster assembly.
- Colour: White RAL 9010.
- Trunkings designed for their mounting on the wall or flush-mounted on brick walls (plasterboard, partitions, wooden linings) and furniture.
- Protective film. Assures that the product remains in perfect conditions during transport and application.
- Homogeneity of colours between trunking, fittings, switches and sockets.
- It can be painted offering a wide range of possible surface treatments and their integration into the environment.

Installation

- Firm holding of the cover - Pressure mounting of the cover, removable only with the aid of a tool.
- Possibility of mounting corner-pieces which protects of data cables and allows you to keep the right bending radius.
- Flexibility to combine a variety of switches and sockets.
- The removable divider has a fixing to the base, in order to separate power and data.

Mounting instructions

- To fulfil the characteristics defined herein, the installation must be carried out in accordance with the manufacturer`s assembly instructions provided in the main product packaging and are also available on the website www.unex.net.

Quality Marks ⁽¹⁾



EN 50085-2-1:2006 +
A1:2011
Licence n°: 670622



EN 50085-2-1:2006 +
A1:2011
Licence n°: 40036826



ГОСТ P 50827:2009 (GOST
R 50827:2009)
POCC RU.11AK01.H00065

Approvals ⁽¹⁾



Rules for the Classification of
Steel Ships
Type Approval Certificate n°
05116/H1 BV



ГОСТ P 53313-2009 (GOST
R 53313-2009)
C-ES.AБ09.B.00636



Our quality management system complies with the requirements of UNE-EN ISO 9001:2015 for the design, production and commercialization of Unex Systems.

www.unex.net
international@unex.net

TECHNICAL ASSISTANCE
+34 619 715 627



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Characteristics of Trunking system

Raw material

Trunkings	U23X (See technical data for raw material).
Fittings and accessories	U24X (See technical data for raw material).

Applications

Applications	Trunking system for indoor installations.
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Silicone contents

Silicone free	<0,01%
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Directive 2011/65/EU

RoHS Compliant	Compliant.
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EN 50085-2-1:2006 + A1:2011

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	<ul style="list-style-type: none"> • Trunkings: 5 J at -5°C • Fittings: 0,5 J at -5°C
Resistance to flame propagation	Non-flame propagation.
Electrical continuity characteristic	Without electrical continuity characteristic.
Electrical insulating characteristic	With electrical insulating characteristic.
Protection degree assured by the enclosure	<ul style="list-style-type: none"> • IP4X. Mounted on wall. • IP3X. Angled RJ-45 faceplates.
Retention of the system access cover	Cover removable only with the aid of a tool.
Electrically protective separation	With internal protective separation.
Intended installation positions	<ul style="list-style-type: none"> • Flush mounted on the wall. • Semi flush or surface mounted on the wall. • Wall fixed and supported by the floor. • Wall fixed and supported by a horizontal surface other than the floor.



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Prevention of contact with liquids	Relying on manufacturers instructions allowing all installation positions of the CTS and all positions of insulated conductors and live parts in CTS.
Type	Type 3.
Rated Voltage	750 V
Protection against mechanical damage ⁽²⁾	IK08/IK09/IK10
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/EU

CE Marking	Conformity with standard EN 50085-2-1:2006+A1:2011.
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Characteristics of U23X raw material

- Base raw material: PVC.
- Silicone contents: <0,01%.
- Phthalate contents according to ASTM D2124-99:2004: <0,01%.
- Dielectric strength according to EN 60243-1:2013: 18±5 kV/mm.
Test sample thickness 2,5 mm.
- Reaction to fire according to UNE 201010:2015: Classification: M1.
- UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Degree UL94: V0.
- L.O.I. Oxygen index according to EN ISO 4589:1999 + A1:2006: (Concentration %) = 52±5.
- Coefficient of linear expansion: 0,07 mm/°C m. ⁽³⁾
- Resistance to ozone according to ASTM D-1149: No cracks magnified to 2.

Characteristics of U24X raw material

- Base raw material: PVC.
- Silicone contents: <0,01%. ⁽⁴⁾
- Phthalate contents according to ASTM D2124-99:2004: <0,01%. ⁽⁴⁾
- Dielectric strength: Insulating.
- Reaction to fire s/UNE 201010:2015: Classification: M2.
- UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Degree UL94: V0.
- Coefficient of linear expansion: 0,07 mm/°C m. ⁽³⁾
- Resistance to ozone according to ASTM D-1149: No cracks magnified to 2.



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Notes

1. Except for new part numbers, which are under process of obtaining quality marks and approvals. See updated information of each part number on www.unex.net
2. 93xxx-2 part numbers set is certified as a system LCIE IK08 Type 3, except for article numbers 93481-2, 93640-2, 93749-2, 93750-2, 93751-2, 93752-2, 93753-2 and 93754-2 that comply with IK07. Part number 93074-2, 93076-2, 93087-2 and 93125-2 are also certified as Type 1 IK09 system. Part number 93020-2, 93021-2, 93022-2, 93031-2, 93032-2, 93086-2 and 93138-2 are also certified as Type 1 IK10 system.
3. 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.
4. 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 contact our technical assistance.

** 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.

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