

Metallic Housings. 1 or 2 sided Mini-towers



■ TABLE OF CONTENTS

- Description
- Applications
- References
- Configuration type
- Installation
- Technical Data
- Mechanism compatibility
- Dimensions

■ Description





- Floor housings for surface mounting on raised flooring of electrical, voice, data and multimedia (VDM) mechanisms for the tertiary sector.
- Ease and speed of installation: SIMON requires the use of fewer and fewer tools. Also comes with all accessories and small items required for immediate installation.
- Extremely sturdy: the stainless steel and anodized aluminium metal structure with plastic trims, provides a balance between strength and appearance.
- Compact and high capacity: the mini-towers are available with 1 or 2 sides from 2 to 5 heights
- Allows direct anchoring to the floor without the need for baseboards




■ Applications


- Suitable for hospitals, airports, offices, museums, classrooms, consultancies, hotels, libraries, training rooms, ... where the cable installation and distribution is at floor level



References

1 sided Metal Mini-towers			
1 Sided			
No. of Modules	Ref.	Finish	Image
2	52510212-036	Stainless steel and aluminium	
3	52510213-036	Stainless steel and aluminium	
4	52510214-036	Stainless steel and aluminium	
5	52510215-036	Stainless steel and aluminium	

2 Sided Metal Mini-towers			
2 Sided			
No. Mod x side	Ref.	Finish	Image
2	52510222-036	Stainless steel and aluminium	
3	52510223-036	Stainless steel and aluminium	
4	52510224-036	Stainless steel and aluminium	

Accessories			
Description	Ref.	Finish	Image
Metal cover with lock cylinder for 4-module Mini-tower	51040014-036	Aluminium	

Configuration type



Qty	Reference	Description
1	52510214-036	One-sided metallic mini-tower 4 modules
2	50010432-038	Double Schuko socket click-terminal connection, graphite
1	50010432-037	Double Schuko socket click-terminal connection, red
2	50001089-038	V&D Plate with dust protector with 2RJ45 cat. 6A FTP, graphite



Qty	Reference	Description
1	52510222-036	Metallic mini-tower 2 modules per side
2	50010432-038	Double Schuko socket click-terminal connection, graphite
2	50001089-038	V&D Plate with dust protector with 2RJ45 cat. 6A FTP, graphite

■ Installation

- For surface mounting on the floor.
- Direct anchoring to the ground and bolted fixings to give added strength to the unit.
- Under flooring power supply: using embedded cables or raised flooring. The mini-tower does not need a baseboard.
- Power supply via floor trunking: the mini-tower can be supplied by the DCS floor trunking in the baseboard.
- Mechanisms are snapped directly onto the centre frames, ensuring perfect rigidity and easy assembly.
- The box frame is attached using screws.
- Extraction of installed mechanisms must be done using a tool.
- The centre frames snap onto the profile using linkable pieces and form blocks, separating the electrical part from the V&D part



■ Technical Data

TECHNICAL DATA	
Installation	On raised floor or concrete
Temperature range during installation	-5 °C/+120 °C
Max. temp. during construction work	+60 °C
Removing the cover	Only by using a tool
Ball pressure test	+125 °C
Incandescent-wire test	+850 °C
IP	4X
IK	10
Voice and Data Connectivity	Sloping plates are recommended for installation of RJ45 Cat6A connectors
Power Supply	Using corrugated conduit if accessing via a raised floor
Expandable	No
Electromagnetic Compatibility for the VDM circuit	Ensured by means of the installation of the metallic separation plate (included)

Technical Data

REGULATIONS	
Spanish	UNE-EN 50085:2-4:2009
	Low Voltage Electrotechnical Regulations (REBT)
International	Directive 2006/95/EC
CE Marking	
MANUFACTURING MATERIAL	
AISI 430 ferritic stainless steel + aluminium (structure)	
Fireproof, halogen-free thermoplastic for the remaining components. This guarantees no flame spread in case of fire and low toxicity in the event of smoke generation.	
INCLUDED IN THE PACKAGE	
Mini-tower	
Metallic separation plate, ground connection cable and hardware	
Instruction manual	
GENERAL FEATURES	
Future-proof	May be integrated into the same electrical, voice, data, audiovisual, multimedia, command and control system housings
VDM Concept	Solutions for Audio, Video and Multimedia connection
Voice and Data Compatibility	Total Compatibility Guarantee with Voice, Data and Computer connectors currently on the market in both copper (RJ45) and optical fibre
Safety first	<p>People: Halogen-free, fireproof, self-extinguishing and non-flame-spread materials. Resistant to corrosion, overload and temperature changes.</p> <p>Equipment: allows the incorporation of protection components from our complete Safety Range.</p> <p>Information: constant separation between electrical cables and Voice, Data and Multimedia cables, eliminating electromagnetic interference and possible transmission errors.</p>
Modularity Flexibility Functionality	Installation is expandable and configurable to suit needs. Minimum space. Maximum functionality.
Creativity in Design and Integration	Completely integrated into surroundings
COMPATIBILITY WITH SIMON PLATES AND MECHANISMS	
Voice and Data plates	Yes - CIMA SIMON 500, K ₄₅ and S27* Mechanisms
Multimedia Plates	Yes - SIMON K ₄₅ and S27* Mechanisms
Electrical sockets	Yes - CIMA SIMON 500, K ₄₅ and S27* Mechanisms
Switching and Signalling Mechanisms	Yes - SIMON K ₄₅ and S27* Mechanisms
SEGURIDAD range	Yes - SIMON K ₄₅ and S27* Mechanisms
CANALIZACIÓN Range	DCS floor trunking
COMPATIBILITY WITH OTHER BRANDS OF COMPUTER CONNECTORS	
Voice, Data and Multimedia Plates compatible with connectors on the market.	
See selection tables in the catalogue or our website for the most up to date compatibility data.	

* Require an adapter for correct attachment to the housing:

K45 - Ref. 50012088...

S27 - Refs. 50010088... (individual) and 50000088... (double)

S27 Electronics – Ref. 50011088...

■ Examples of Mechanism Compatibility

Description	Reference	Image
Double electrical socket	50010432-030	
Single electrical socket	50012088-030 (Adapter to K45) K11/9 Electrical socket	
Voice and Data Plate	50000089-030	
VGA connector	50012088-030 (Adapter to K45) K100B/9 VGA connector	
10 A Bipolar MCB	50001075-030	
16A switch with pilot light	50012088-030 (Adapter to K45) K302 - Switch K112/9-Key	
3-pole female IEC 320 quick connector plate	50012088-030 (Adapter to K45) K306A/9 - Connector	
Cable Outlet	50012088-030 (Adapter to K45) K10/9- Cable outlet plate	
Astronomical time switch	50011088-030 (adapter to S27) 75819-39 Astronomical Time Switch	
Blind plate	5000800-030 - Double 50010800-030 - Individual	

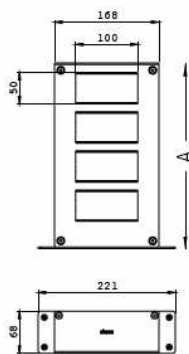
* Require an adapter for correct fixing to the housing (K45 - Ref. 50012088 ... S27 – Refs. 50010088... and 50000088)

** Require a specific adapter for electronic devices (S27 - ... Ref. 50011088...)

Overall Dimensions (mm)

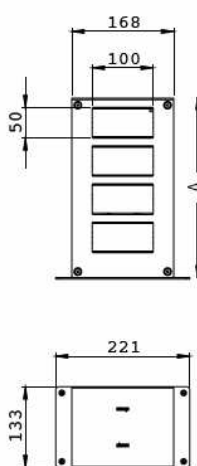
Metal Mini-tower

1 Sided



References	No. of heights	No. of modules	Dimensions A
52510212-036	2	2	172,5
52510213-036	3	3	235,5
52510214-036	4	4	298,5
52510215-036	5	5	361,5

2 Sided



References	No. of heights	No. of modules	Dimensions A
52510222-036	2	4	172,5
52510223-036	3	6	235,5
52510224-036	4	8	298,5

Protective cover

4 Modules

51040014-036

