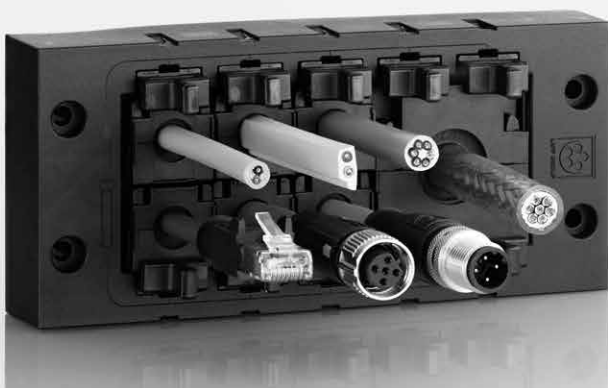


# SKINTOP<sup>®</sup> CUBE

Perfect Flexibility





## SKINTOP® CUBE MULTI – with innovative gel technology

Flexible, safe and extremely efficient: The new multi-cable entry system SKINTOP® CUBE MULTI, with its elastic gel technology, stands out thanks to its large, variable clamping ranges, high packing density and the optimum strain relief on the entire cable bundle.

The SKINTOP® CUBE MULTI is used wherever cables need to be installed into a housing in tight areas without connectors and compressed air connections. With the innovative cable bushing system, non-assembled cables and media hoses used in the construction of control and switching cabinets and apparatus can be installed quickly, securely and efficiently.

The key element is the high-strength gel, which until now had mostly been used in sports equipment and medical engineering. The cables are simply pushed through the flexible gel membrane. The static friction between the gel and the cable ensures the cable is held securely and also provides a reliable seal. No individual inserts need to be removed when installing the cables, both saving time and increasing efficiency.

On top of this, SKINTOP® CUBE MULTI allows more cables to be inserted than with standard systems. This high packing density therefore allows the size of the housing to be reduced.

SKINTOP® CUBE MULTI is designed for temperatures from -30°C to +100°C. The new multi-cable entry system resists oils, greases, UV radiation and ozone and meets the protection rating IP 65 and IP 66. In the event of a fire, the cable bushing system is self-extinguishing (UL 94V-2). SKINTOP® CUBE MULTI is available in both standard configurations and as a customised solution tailored to your needs.

**SKINTOP® CUBE MULTI –  
Discover the difference**

For current information see: [www.lappgroup.com](http://www.lappgroup.com)

## SKINTOP® CUBE FRAME

The sturdy, glass fibre-reinforced polyamide SKINTOP® CUBE FRAME is available in two sizes (for 16-pin or 24-pin connector installation openings). This means that eight to ten cables of different diameters

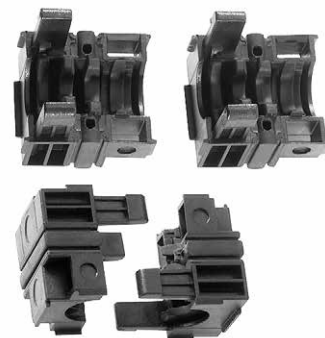
can be installed in minimal space. SKINTOP® CUBE FRAME and SKINTOP® CUBE MODULE are equipped for international use, with both versions approved for cable bushings.



## SKINTOP® CUBE MODULES

The two-part clip modules, featuring specially developed and patented sealing inserts, are simply attached to the top and bottom of the cable, with no need for special tools. No extra lubricants and sealants are required for assembly. This two-part solution allows assembled cables to be inserted, enables pre-assembly and eases maintenance and service work. The plug-in

sealing modules have a variable clamping range, with the highly flexible sealing material ensuring optimum sealing of the cable at all times. There are four modules available: from 4 – 6mm, 6 – 9mm, 9 – 12mm and 12 – 16mm. Dummy modules and modules designed specially for AS-i interface cables can also be delivered.



## SKINTOP® CUBE MULTI

The SKINTOP® CUBE MULTI is used wherever cables are routed into a housing without connectors and compressed air connections. They aid the installation of non-assembled cables and medium hoses in control systems, control cabinet and apparatus construction, as well as in automation technology. Two versions allow up to 23 cables to be inserted in a single SKINTOP®

CUBE FRAME. The innovative gel technology allows for clamping ranges of 3 – 6mm, 6 – 9mm, 9 – 13mm and 13 – 16mm. The gel adjusts perfectly to the surface contours of the cable, helping it achieve a particularly high protection rating. The membrane remains closed, even if fewer cables are installed than is possible.



## SKINTOP® CUBE SORTIMO® T-BOXX

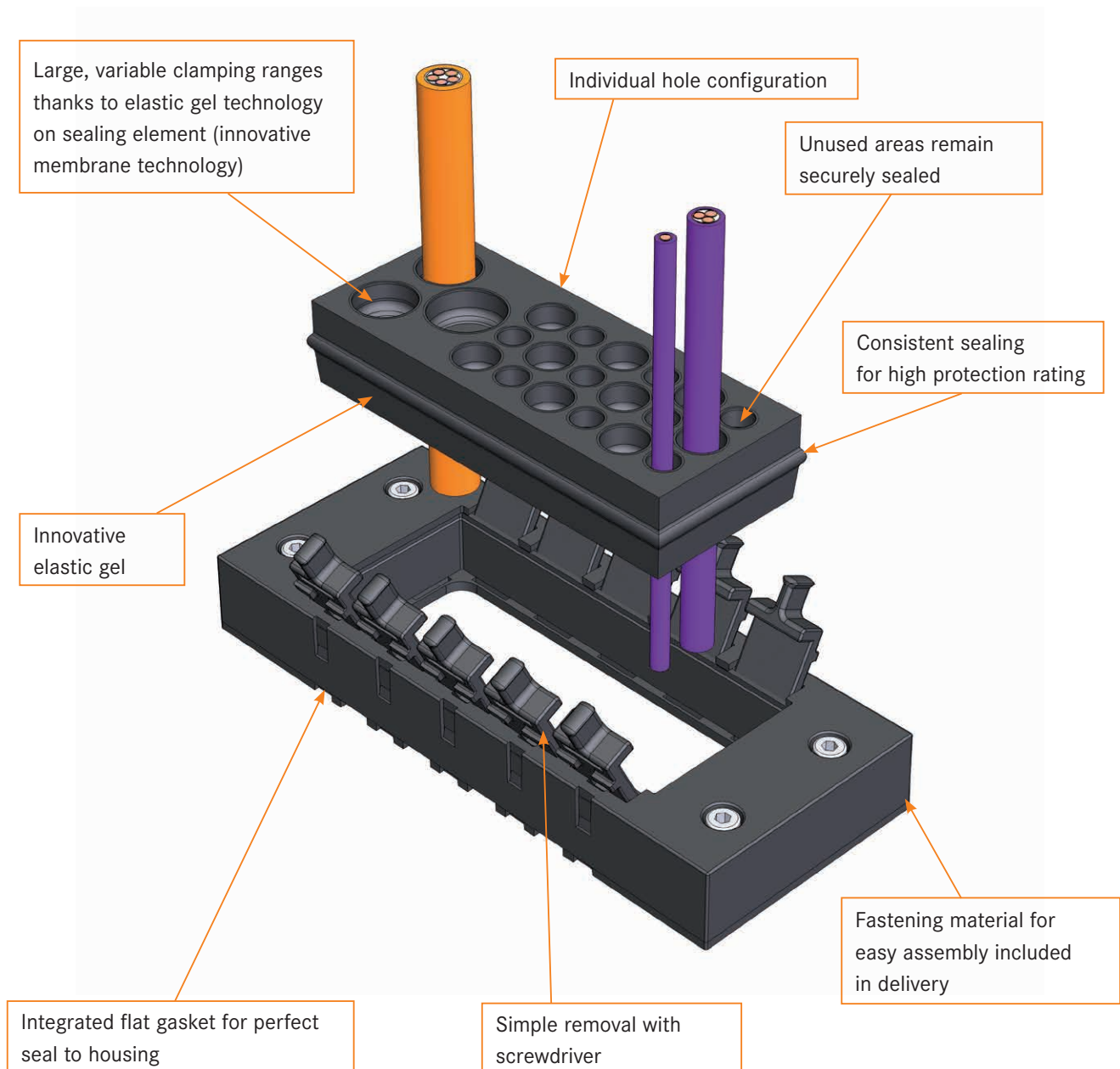
- Small package, great versatility
- Case made from light and robust polypropylene, resists impacts
- Two robust seals – ideal for use in assembly, such as in a production hall

- **Well organised in practical SORTIMO® T-BOXX**
- **Article no. 53110031**



# SKINTOP® CUBE MULTI: All benefits at a glance

- Innovative multi-cable entry system with gel insert for high packing density and assembly that protects cables
- Enormous savings potential thanks to quick installation
- Large, variable clamping ranges thanks to elastic gel technology (innovative membrane technology)
- Optimum strain relief on the entire cable bundle
- SKINTOP® CUBE FRAME can remain fixed to the housing when removed
- Temperature range -30°C to +100°C
- Protection rating IP 65 and IP 66
- Flammability class - fire behaviour as per UL 94 V-2
- Oil, UV and ozone-resistant



# SKINTOP® CUBE MULTI New



## Benefits

- Large, variable clamping ranges thanks to elastic gel technology on sealing element (innovative membrane technology)
- Simple assembly with high packing density
- Optimum strain relief on the entire cable bundle
- Simplified servicing due to easy assembly and removal
- Unused areas remain securely sealed

## Applications

- Used in areas where cables and wires need to be safely inserted into housings
- For installation of non-assembled cables and medium hoses
- For cut-outs for 24-pin industrial connectors (36 x 112 mm)
- Apparatus and control cabinet construction
- Automation technology

## Product features

### SKINTOP® CUBE MULTI version 1

- Number of cable bushings –  
9 x 3 – 6mm clamping range  
9 x 6 – 9mm clamping range  
2 x 9 – 13mm clamping range  
1 x 13 – 16mm clamping range

### SKINTOP® CUBE MULTI version 2

- Number of cable bushings –  
23 x 5 – 8mm clamping range

## Structure

- The system consists of the SKINTOP® CUBE FRAME and a gel insert SKINTOP® CUBE MULTI.
- The gel insert can be removed by opening the bracket

## Note

- A cable tie can be attached to the cable bundle to increase strain relief

## Scope of delivery

- SKINTOP® CUBE FRAME including assembly material

## Info

- Push the cable through the innovative gel membrane and connect directly
- Enormous savings potential thanks to quick installation

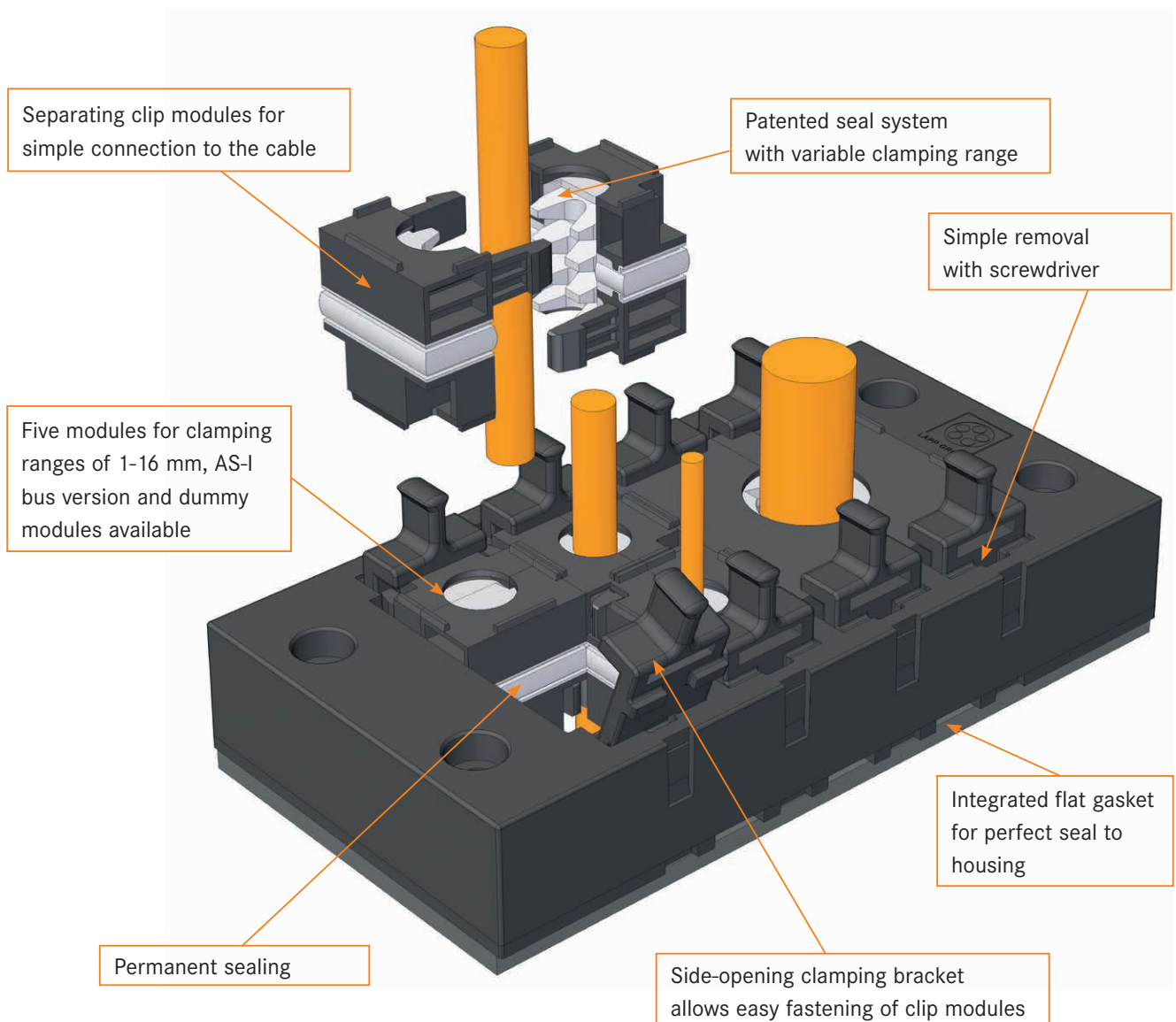
## Technical data

	<b>Classification</b> ETIM 5.0 class ID: EC000240 ETIM 5.0 class description: Cable entry
	<b>Approvals</b> UL pending
	<b>Note</b> Colour: black Individual hole configuration available on request
	<b>Material</b> Frame: Glass fibre-reinforced polyamide Frame seal: CR Gel insert: PC / gel Fire behaviour according to UL 94V-2
	<b>Protection rating</b> IP 65 and IP 66
	<b>Temperature range</b> -30°C to +100°C

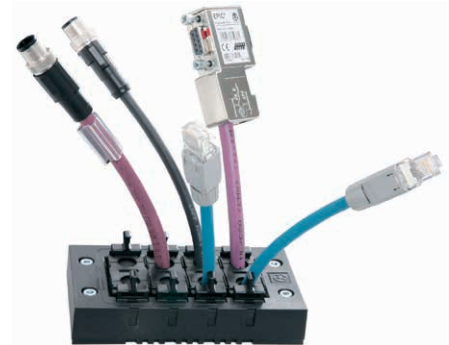
Article number	Article designation / size	Max. number of executions	Number of cables x clamping range	Pieces / PU
<b>SKINTOP® CUBE frame</b>				
52220001	SKINTOP® CUBE FRAME 24			1
<b>SKINTOP® CUBE MULTI gel insert</b>				
52220050	SKINTOP® CUBE MULTI version 1	21	9 x 3 – 6mm; 9 x 6 – 9mm; 2 x 9 – 13mm; 1 x 13 – 16mm	1
52220053	SKINTOP® CUBE MULTI version 2	23	23 x 5 – 8mm	1
<b>SKINTOP® CUBE MULTI gel insert incl. frame</b>				
52220056	SKINTOP® CUBE MULTI version 1 incl. frame	21	9 x 3 – 6mm; 9 x 6 – 9mm; 2 x 9 – 13mm; 1 x 13 – 16mm	1
52220057	SKINTOP® CUBE MULTI version 2 incl. frame	23	23 x 5 – 8mm	1

# SKINTOP® CUBE: All benefits at a glance

- Few parts due to large, variable clamping ranges
- Easy assembly and removal
- No special tools, sealants or lubricants required
- Assembly cables can be removed individually without disassembling the frame
- Secure strain relief
- Permanent vibration protection
- Frame can be assembled from both inside and outside
- Protection rating IP 64
- Resists oils, greases, UV radiation and ozone
- New: UL approval for the American market



# SKINTOP® CUBE



## Benefits

- Variable clamping range
- Vibration-proof module fixation
- Simplified servicing due to easy assembly and removal
- Strain relief
- Oil-resistant

## Applications

- For installation of assembled cables
- Used in areas where cables and wires need to be safely inserted into housings
- Apparatus and control cabinet construction
- Electrical installations
- Automation technology

## Suitable tools

- Kraftform Kompakt® 10

## Structure

- The SKINTOP® CUBE system consists of the SKINTOP® CUBE FRAME and the clip modules SKINTOP® CUBE MODULE.
- For cut-outs for industrial connectors with standard defined boreholes.
- For cut-outs for 16-pin industrial connectors (36 x 86mm)
- For cut-outs for 24-pin industrial connectors (36 x 112mm)

## Note

- SKINTOP® CUBE MODULE 20x20 BLIND can be used as a dummy module or for clamping ranges of 1-3mm

## Scope of delivery

- SKINTOP® CUBE FRAME including assembly material

## Info

- Innovative multi-cable bushing system with variable clamping ranges for high flexibility in assembly.
- When disassembling, the frame can remain on the housing and the plug-in module remains securely on the cable.

## Technical data



### Approvals

UL file no. E79903



### Material

Frame: Glass fibre-reinforced polyamide

Frame seal: CR

Clip modules:

Special polypropylene

Clip module seal: LSE 2



### Protection rating

IP 64

NEMA 12



### Temperature range

Dynamic -20°C to +80°C

Fixed -40°C to +80°C

Article number	Article designation / size	Clamping range ØF (mm)	Max. number of executions	Pieces / PU
<b>SKINTOP® CUBE frame</b>				
52220000	SKINTOP® CUBE FRAME 16		8	1
52220001	SKINTOP® CUBE FRAME 24		10	1
<b>SKINTOP® CUBE clip modules</b>				
52220004	SKINTOP® CUBE MODULE 20x20 BLIND	1 - 3		5
52220002	SKINTOP® CUBE MODULE 20x20 SMALL	4 - 6		5
52220003	SKINTOP® CUBE MODULE 20x20 LARGE	6 - 9		5
52220040	SKINTOP® CUBE MODULE 20x20 AS-1 BUS	AS-1 BUS		5
52220005	SKINTOP® CUBE MODULE 40x40 SMALL	9 - 12		5
52220006	SKINTOP® CUBE MODULE 40x40 LARGE	12 - 16		5
52220007	SKINTOP® CUBE MODULE 40x40 BLIND			5

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