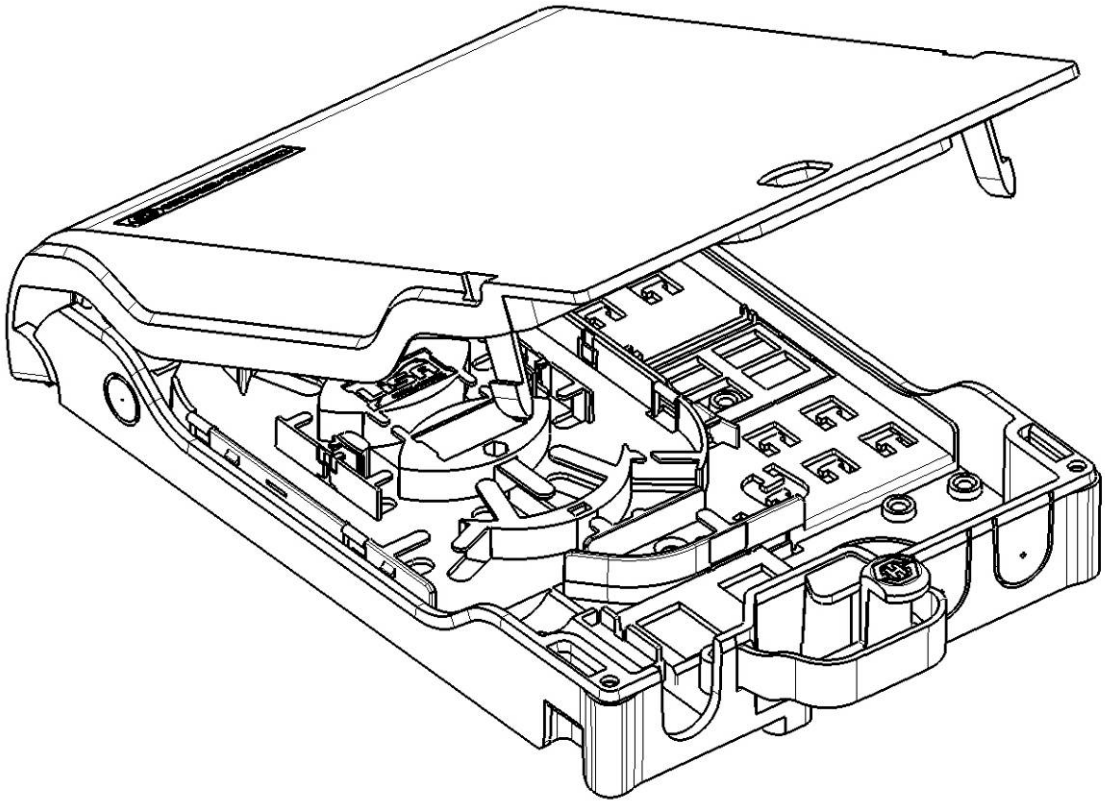
Customer Distribution and Termination Enclosure „OptiBox 4“



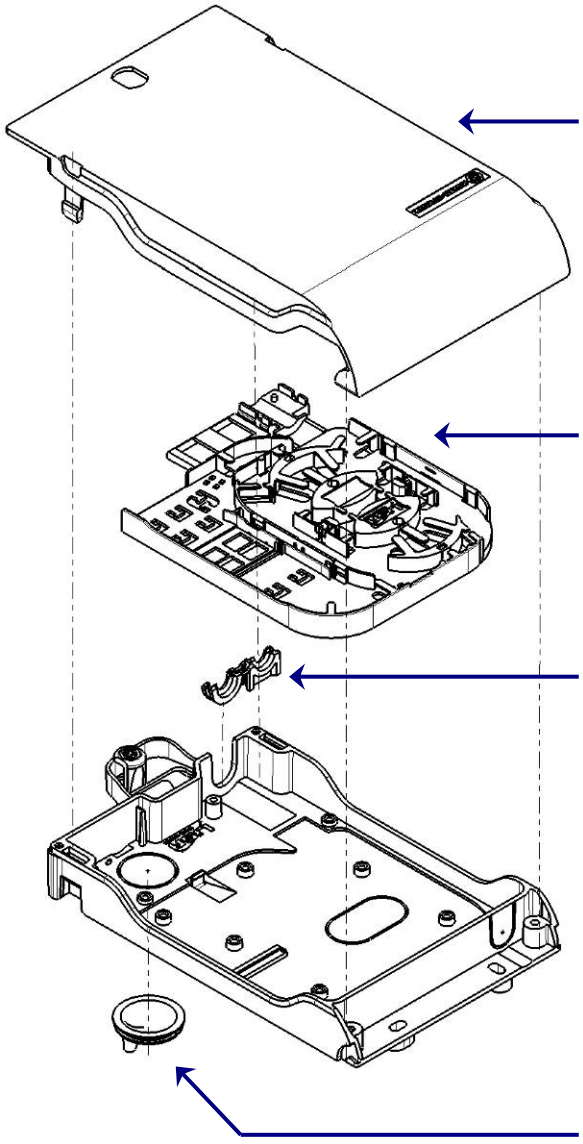
OptiBox 4 is a fiber optic distribution and termination enclosure, which is used for splicing, patching and to perform with passive optical components.
The straightforward mounting box has its main use in telecommunication (Fiber to the Home) and is specially designed for indoor or outdoor deployment (IP 54). In order to protect the fibers from bending or environmental influence, conventional loose tube cables as well as micro cables or conduits of blow-in systems can be fastened to the inside of the box. Further, there can be fastened various gas blocking systems, MASTERLINE Quick, or MASTERLINE Push-Fit inside the box.

Characteristics

- straightforward mounting splicing and patching box, consisting of base, fiber tray and cover
- detachable fiber management tray (fiber inlay)
- up to 4 adapters in SC shape (LC, LX.5, SC, E-2000™)
- adapters / connectors can be mounted inside or outside of the enclosure
- storage of uncut fibers in single element technology
- radius protected fiber overlength storage of 28mm
- Pigtail to Pigtail configuration
- special storage position for unused fibers
- two different levels sharing up to 12 splices
- 1 cable entry, 4 cable exit of which one is bending radius protected through the enclosure
- outside cable entries and exit are sealed with hinged half- shell cable grommets
- key lockable cover is individually lead sealable
- Telekom (Service)- and user area are dividable and sealable
- UV radiation resistant housing
- enclosure impermeability matches the requirement of moderate outdoor applications (IP54)

Product Overview:

OTB4-0LO-0T-0C-INLAY-FIT – item 84076036



1 clip- on cover:
can be equipped with a cylinder lock and is individually lead sealable

1 fiber management tray (fiber inlay):
with integrated cable / microduct entry
radius protected (28mm) fiber overlength and cross-out management
storage for unused fibers
splicing area is separated from storage

3x3 hinged half- shell cable grommets:
3 different sizes of cable diameters
- 3 – 5 mm
- 6 – 8 mm
- 9 – 12 mm

for three U-shaped cable entries oder exit

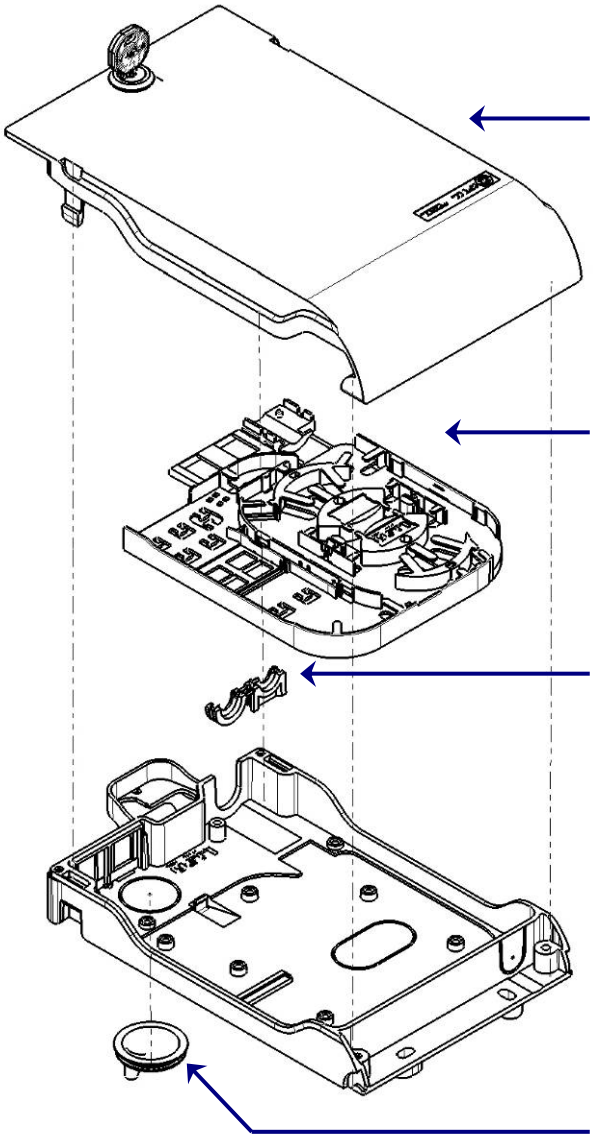
1 OptiBox 4 base:
1 open, U-shaped cable entry
3 U-shaped knockouts
1 round knockout
1 oval knockout

1 trumped cable grommet:
radius protected cable exit (30mm)

On request, OptiBox 4 is delivered including adapters and connectors. Connectivity components are enclosed as a mounting- kit. Further accessories like splice holder, Patch Cables, Pigtails, Masterline Quick, etc can be included as well, but they have to be ordered individually.

Product Overview:

OTB4-1LO-0T-0C-INLAY-FIT – item 84078418



1 clip- on cover equipped with a cylinder lock:
cylinder quarter trun lock model with spring fixing
protected access to lock fixation
cover is individually lead sealable

1 fiber management tray (fiber inlay):
with integrated cable / microduct entry
radius protected (28mm) fiber overlength and cross-out management
storage for unused fibers
splicing area is separated from storage

3x3 hinged half- shell cable grommets:
3 different sizes of cable diameters
- 3 – 5 mm
- 6 – 8 mm
- 9 – 12 mm

for three U-shaped cable entries oder exit

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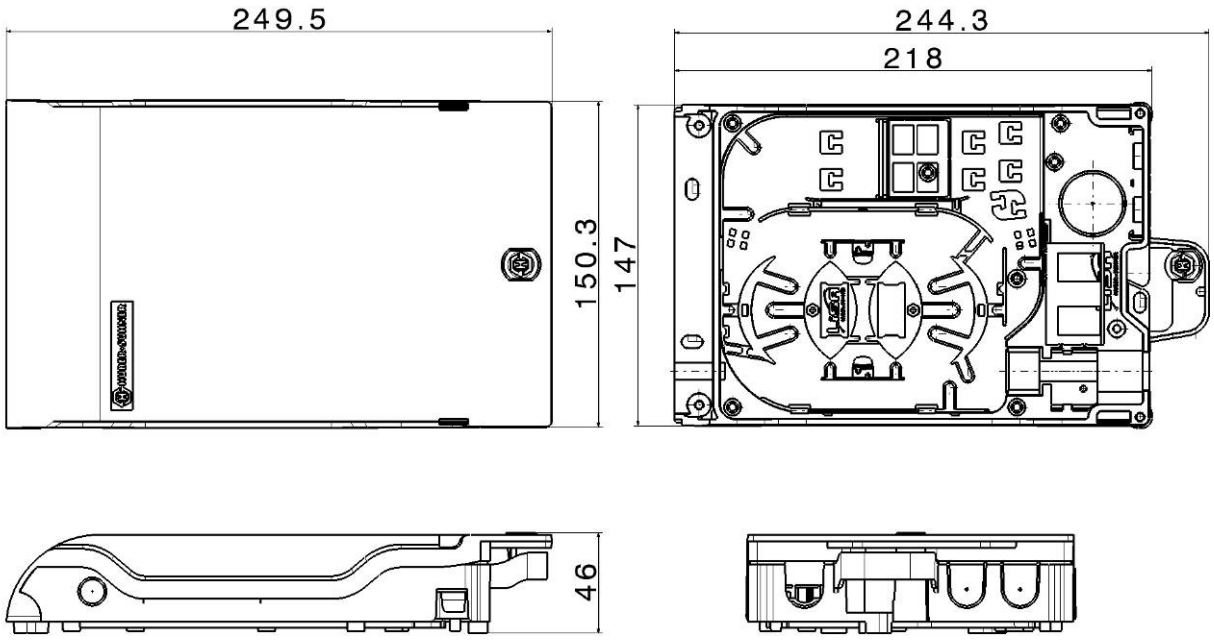
Technical Data

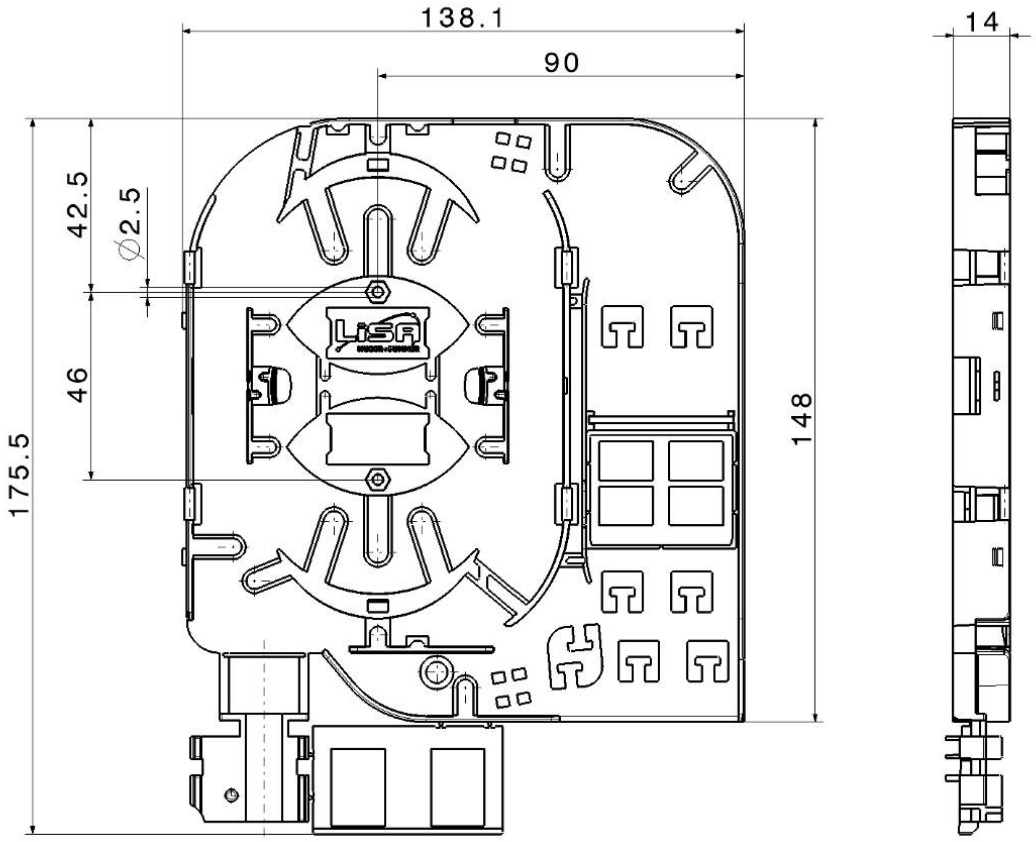
Attribute		Value
Dimensions (B x L x H)		150 x 250 x 46 mm
Capacity: detachable optical connections		8x LC and LX.5, 4x SC and E-2000™
non detachable optical connections		24x sandwich-, 12x heat shrink splice protection
Dimension (Ø) cable or blow-in conduits		3 – 12 mm
Material: enclosure (cover / base)		PC
fiber inlay / extension tray / add-on lid		PC/ABS
enclosure sealing		TPE, shore 50A
sealing grommets		TPE, shore 60A
lock (cylinder quarter trun lock)		GD-Zn chrome-plated
Weight: enclosure (cover / base)		381gr. (188gr. / 193gr.)
fiber inlay / extension tray / add-on lid		55gr. / 36gr. / 42gr.
sealing grommets		~ 4gr.
lock (cylinder quarter trun lock)		32gr.
Color: enclosure (cover / base)		RAL 9016, traffic white
fiber inlay / extension tray / add-on lid		RAL 9002, grey white
sealing grommets		RAL 9005, jet black
Ingress protection degree (EN60529)		IP54
Resitance to Impact (EN62262)		IK08
Temperature Resistance	Celsius	-46° … +120°C
Short-term use	Fahrenheit	-50° … +250°F
Temperature Resistance	Celsius	-46° … +81°C
Long-term use	Fahrenheit	-50° … +178°F
Insulation		fully insulated
Flamability rating enclosure (cover / base)		UL 94V-0
fiber inlay / extension tray / add-on lid		UL 94V-0
sealing grommets		UL 94V-2
UV Resistance: enclosure (cover / base)		resistant
fiber inlay / extension tray / add-on lid		limited resistant
sealing grommets		resistant
Free of Halogen		yes
Chemical Resistance		good
RoHS requirements		fully comply

Technical drawings:

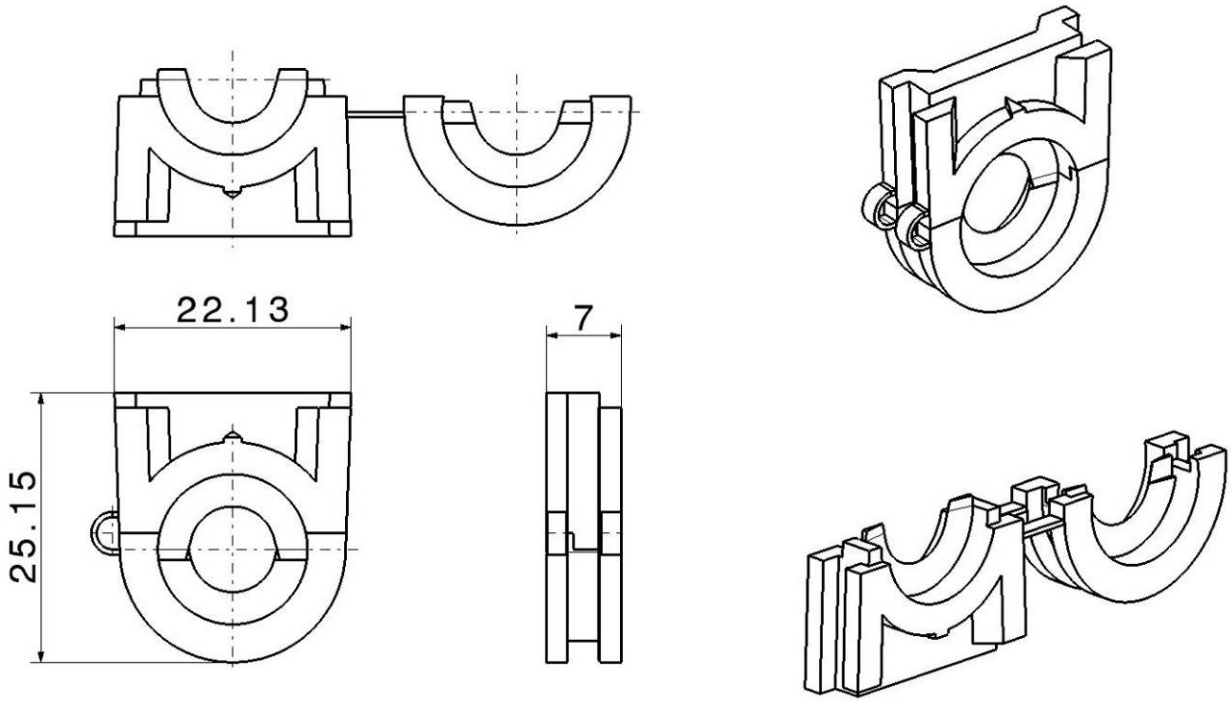
enclosure:



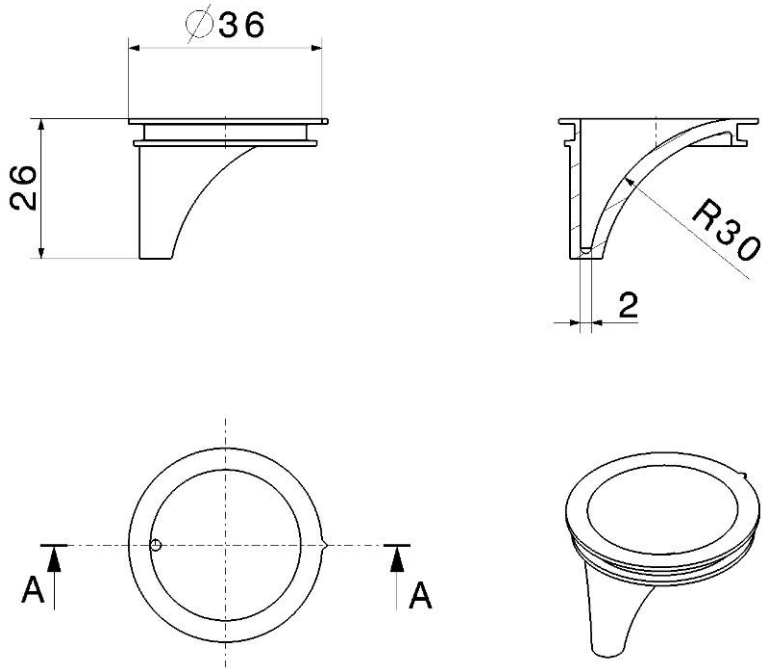
fiber inlay:



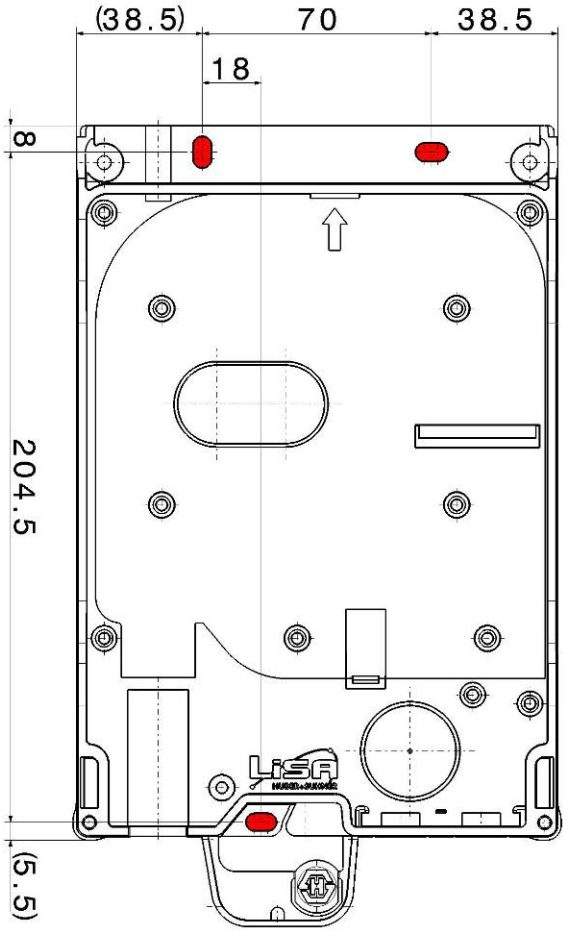
hinged half- shell cable grommets:



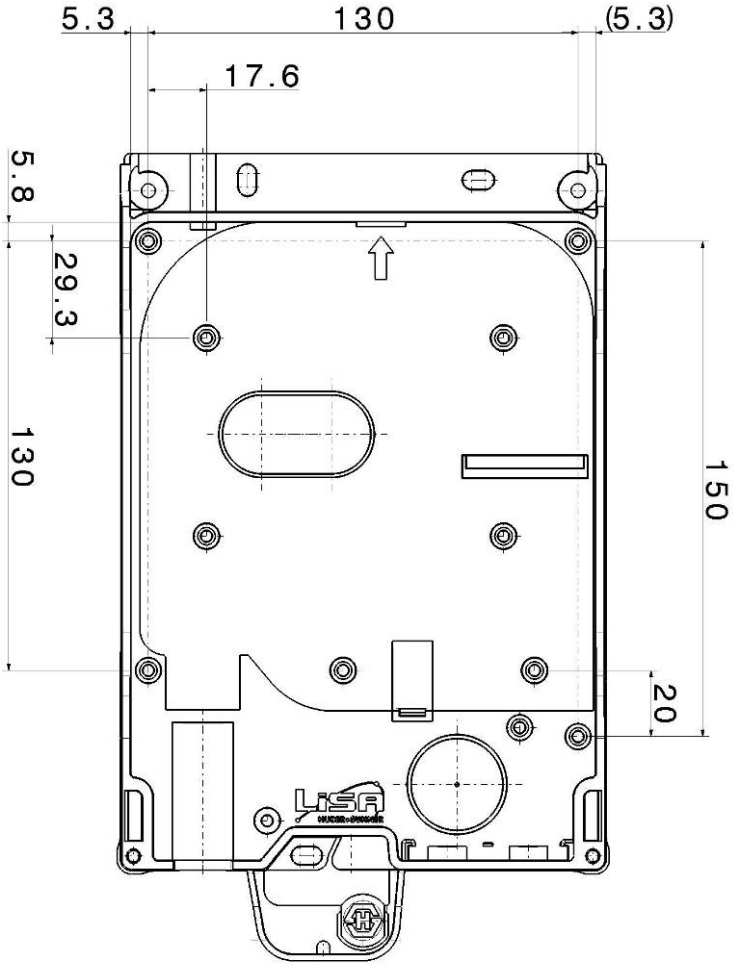
trumpet grommet:



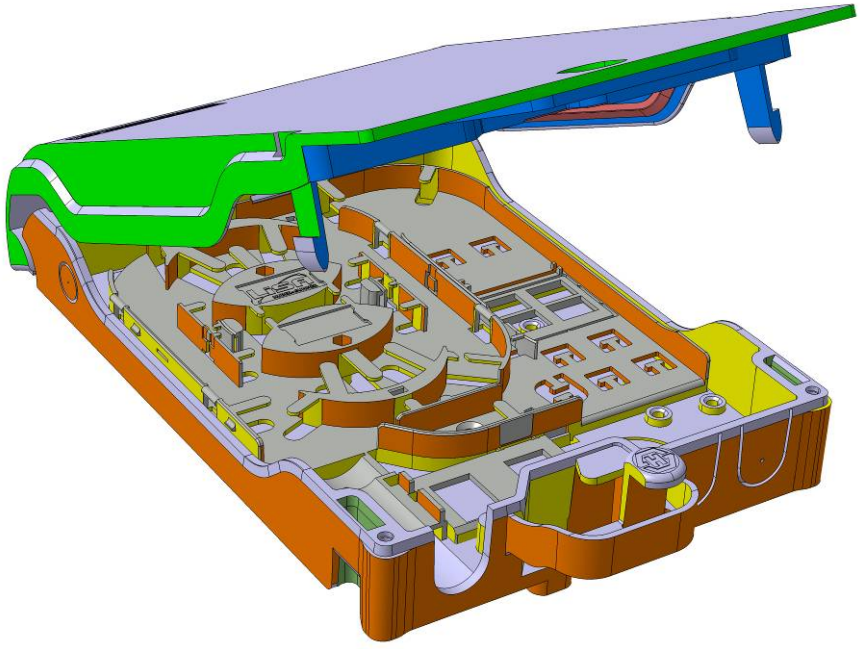
drilling template:



mounting positions in base



3 – dimensional drawing:



Customer Distribution and Termination Enclosure „OptiBox 4“

Article description code

OTB 4		OptiBox 4, (standard make)
-		
	0LO	NO Lock
	1LO	with Lock
-		
	0T	NO extension tray
	1T	with extension tray
-		
	0C	NO add-on lid
	1C	with add-on-lid
-		
	INLAY	with fiber inlay
-		
	FIT	assembled

Additional Documents:

Document		Doc-Nummer
customer drawings	enclosure	DPR-00124203.1
	drilling template	DOU-00124200.2
	mounting positions in base	DOU-00124200.3
	fiber inlay	DPA-00113637.1
	hinged half- shell cable grommets	DOU-00117413.2
	trumpet grommet	DOU-00113397.1
mounting instruction OptiBox 4		DOC-0000294965
tender text OptiBox 4		DOC-0000295788
application guideline OptiBox 4		DOC-0000295789
data sheet pole mounting kit OptiBox 4		DOC-0000296167
mounting instruction pole mounting OptiBox 4		DOC-0000296166
product presentation		non
product brochure (catalogue extract)		non

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WAIVER
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