

Ordering Guide

for BUDI-1S product range



Ordering Guide of the FTTH Building Distribution Enclosure: **BUDI-1S**

This document provides assistance with the selection of racks for use in FIST applications. It includes the following sections:

1 Product description

2 Ordering Information splice and splice/patch version

2.1 Description

2.2 Accessories

2.2.1 Cable seals and cable termination accessories

2.2.2 Other accessories

2.3 Glands

1 Product description

The BUDI-1S FIST Splice and FIST Splice-Patch Wall Boxes provide one or more of the following features or functions:

management, storage, organization and re-arrangement of optical fibers, connectors, adapters, patchcords, cables, optical components and other network components; the facility to locate and integrate the functions of (passive) optical components, i.e. splicing, splitting.

The BUDI wall boxes, including the BUDI-1S are designed to operate in category C (controlled), category G (outdoor ground level) and category A (aerial) as characterized by IEC 61753-1. This covers both indoor and outdoor applications. In the former case this would typically be on the customer's premises such as building basements, telecommunications equipment rooms, computer rooms, etc. Non-protected locations include pole mountings and external wall sites.

The BUDI wall box consists of a bottom part and a cover, with a profiled seal for environmental protection. The protection level against water and dust is IP55.

The enclosure is UL listed, UV stable and is made from LSZH plastics.

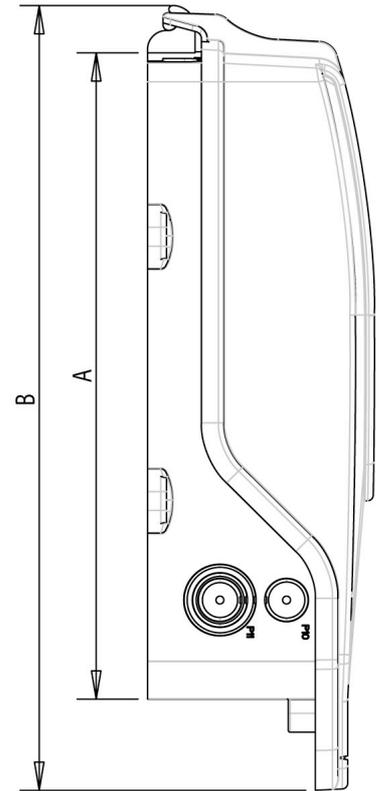
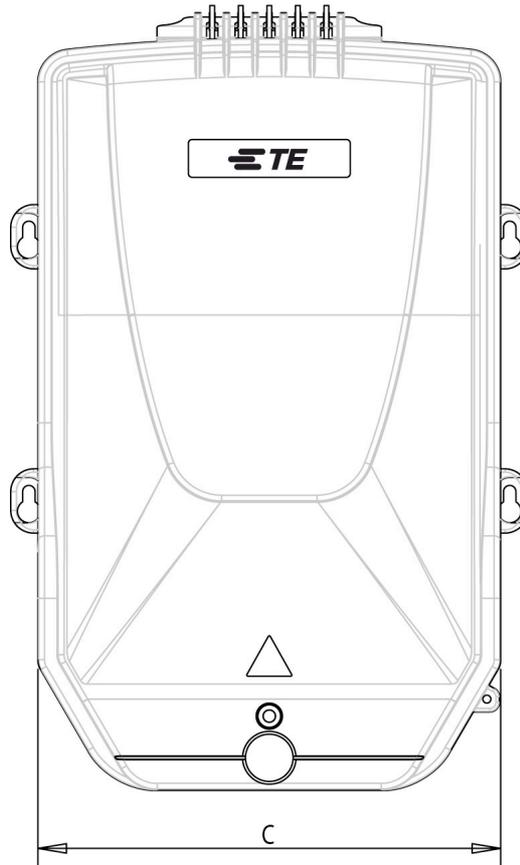
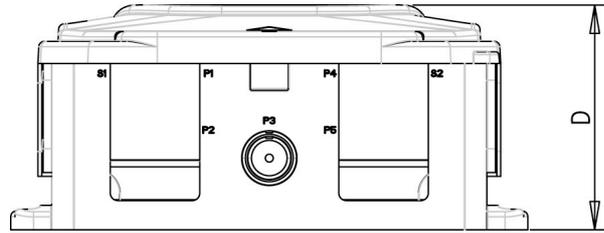
Both the BUDI-1S FIST Splice and FIST Splice-Patch version use FIST as a splice organizer system.

For customers that want to use this enclosure for splicing only, the FIST splicing system is integrated using SOSA's to store and manage splices and FSASA splitter modules for accommodating splitters.

If splicing needs to be combined with patching, the same FIST SOSA2 splicing organizer is used in combination with a 16 port (SC or 32 port LC) fixed patch panel.

Both versions can be completed with a loose tube loop storage area and wrap around cable ports are available (same as BUDI-S).

1.1 Dimensions



SEE PICTURE DATA SHEET

Size	BUDI-1S
A: Height box (mm)	340
B: Height cover (mm)	420
C: Width (mm)	240
D: Depth (mm)	120

2 Ordering Information

2.1 Description

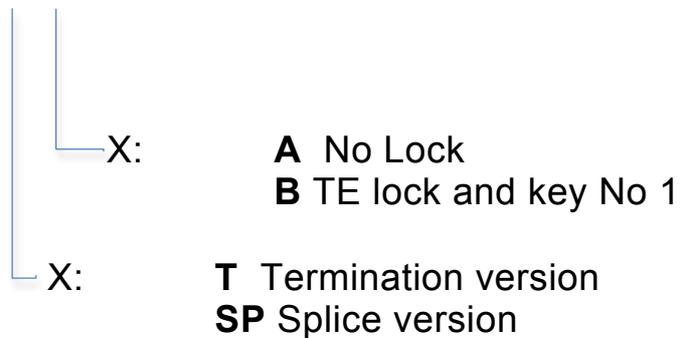
Both the BUDI-1S splice version and termination version use the FIST-SOSA2 as a splice organizer system using the same flexibility as all FIST products to select multiple types of trays depending on your preferred splice protector and splice density. The difference between both versions is that the FAS block is moved up to allow a patch panel to be installed but obviously reducing the splice density. For the spliced version, no patch panel is inserted and all available space is used to store splices in a cable to cable configuration.

2.1 Capacities

Size	BUDI-1S-T	BUDI-1S-SP
Available UMS for SOSA2 trays	8	16
- with flexible cable tubes	12	20
Splice capacity using SE splice trays	48	96
Splice capacity using SC splice trays (2F/tray)	16	32
Patch capacity SC connector	16	NA
Patch capacity LC connector	32	NA
Loop cable capability	yes	yes

Non-filled

BUDI-1S-X-X



Basic content for BUDI-1S-SP-x & BUDI-1S-T-x

- Box base
- The cover
- 4 mounting bolts with seals for wall mounting
- UMS profile
- FAS routing block and cap including tube holder(s) and retainers
- Traylid
- Velcro strip
- Tray wedge
- Patch panel (for the BUDI-1S-T-x only)
- Installation Instruction
- Channeling pins
- Bottom ports filled with gland plates

Filled

BUDI - 1S - T - X-XX XX XX X X

Locking

- A** No lock
- B** With lock

Adapters and pigtails*

- 12**
- 16**
- 24** LC only
- 32** LC only
- NN** No adapters

Adapter type*

- S1** SC/UPC
- S2** SC/APC
- L1** LC/UPC
- L2** LC/APC
- NN** --

Splice holder

- S** SMOUV
- N** No Splice

Type of tray

- C** FIST-SOSA2-SC
- E** FIST-SOSA2-SE
- N** No tray

Splices

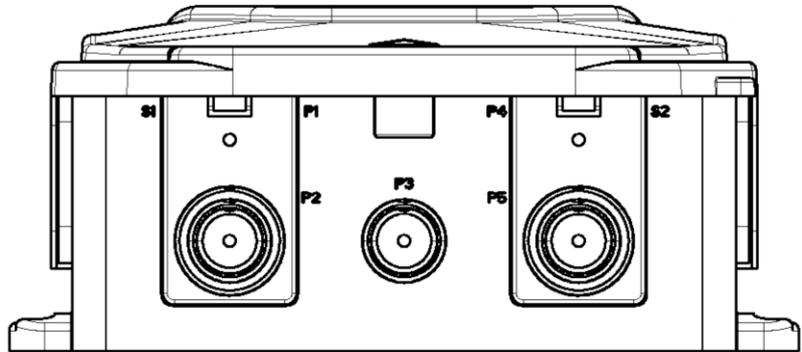
- 16**
- 24** FIST-SOSA2-SE only
- 32** FIST-SOSA2-SE only

Ex. 24E = 2 FIST-SOSA2-SE trays

* Pigtails and adapters are included in the packaging but not installed in the product

2.2 Accessories

2.2.1 Cable seals and cable termination accessories



BUDI-1S bottom ports

Port number	BUDI-1S
S1	All BUDI-S-SEAL kits
S2	All BUDI-S-SEAL kits
P1	NA
P2	PG16, PG21, PG29
P3	PG16
P4	NA
P5	PG16, PG21, PG29



BUDI-S-SEAL-4x10

Wrap around cable seal for 4 cables up to 10mm diameter including:

- cable fixation bracket and tie wraps
- seal foam tape

On this bracket one can fix the cables as well with ENSTO strength member fixation devices (separate item FIST-SB/MB-STRBR-01) and with hose clamps with an 8mm band.



BUDI-S-SEAL-4x15

Wrap around cable seal for 4 cables up to 15mm diameter including:

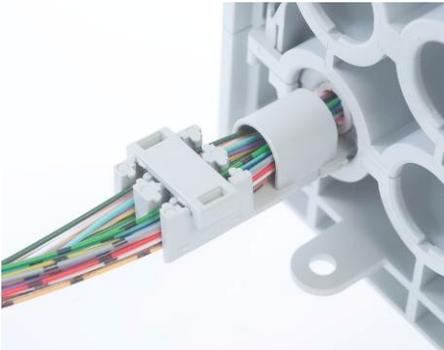
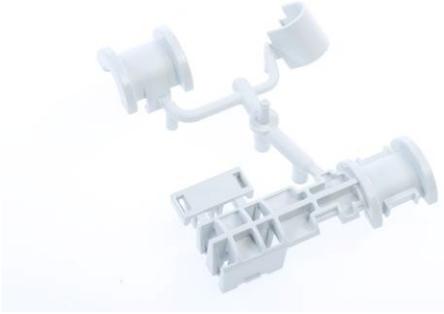
- cable fixation bracket and tie wraps
- seal foam tape

TE1_4838

On this bracket one can fix the cables as well with ENSTO strength member fixation devices (separate item FIST-SB/MB-STRBR-01) and with hose clamps with an 8mm band.

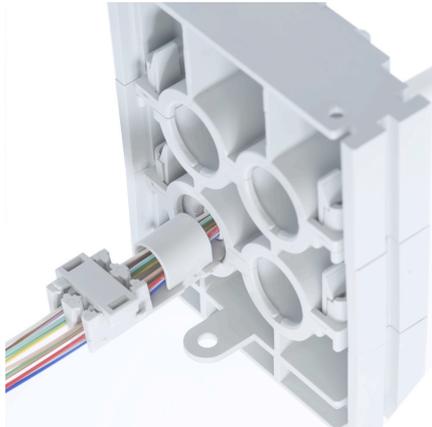
BUDI-MINI-BO-FIX01-D15

Component to clip around the TE Mini-Breakout cable to provide cable retention and PICO element fixation when inserted in a standard BUDI seal of D15mm. Box contains 100 clips.



BUDI-S-SEAL-4x15-MINI-N01

Seal + component to clip around the TE Mini-Breakout cable.

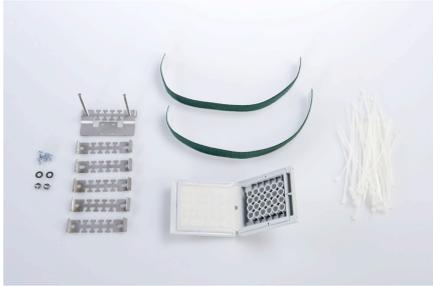


BUDI-S-SEAL-2x20

Wrap around cable seal for 2 cables up to 20mm diameter and cable seal for looped cable installation (for spliced version only of the BUDI-S) including:

- cable fixation bracket, hose clamps and strength member fixation plates
- seal foam tape





BUDI-S-SEAL-24x5

Push Through cable seal for 24 cables up to 5mm diameter including:

- cable fixation brackets and tie wraps
- cables can be attached individually



BUDI-S-SEAL-24x7

Push Through cable seal for 24 cables up to 7mm diameter including:

- cable fixation brackets and tie wraps
- cables are attached in groups of 4 cables



BUDI-S-PTS-48x3

Wrap around pigtail seal for 48 pigtails with a diameter up to 3.5mm (for indoor use only)

- no cable fixation



BUDI-S-PPS-XX XX

Seal with integrated patch panel up to 24 connections. For indoor use only.

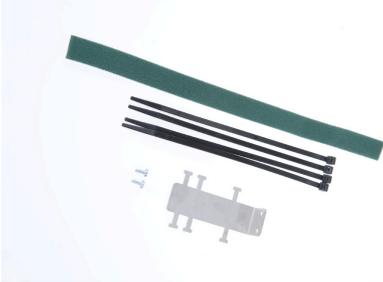
Options:

- BUDI-S-PPS-12 S1 (12 SC/UPC standard C grade according to IEC 61755-1)
- BUDI-S-PPS-12 S2 (12 SC/APC 8° standard C grade according to IEC 61755-1)
- BUDI-S-PPS-24 L1 (24 SC/UPC standard C grade according to IEC 61755-1)
- BUDI-S-PPS-24 L2 (24 SC/APC 8° standard C grade according to IEC 61755-1)



BUDI-1S-LOOPBRCKT-01

Loop bracket to store uncut loose tube overlength in combination with the BUDI-S-SEAL-2x20 cable termination kit.



BUDI-CBL-FIX1-GLD

This bracket allows you to fix cables in combination with glands as FIST-GB-GLD-XX.

On this bracket one can fix the cables as well with ENSTO strength member fixation devices (separate item FIST-SB/MB-STRBR-01) and with hose clamps with an 8mm band.

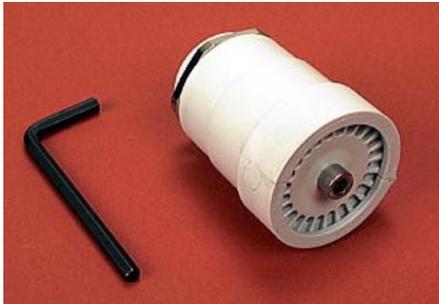


2.3 Glands



Heat-shrink gland: FIST-GB-DRCHS-01

Drop cable heat-shrink seal kit for a single cable in a round port.
Cable range: diameter 8 – 21 mm
Hole size PG29



Pigtail seal – 24 pigtails: FIST-GB-PTS24-01

Wraparound pigtail seal seal 1 up to 24 single fiber pigtails
Cable range: diameter 0 - 3.0 mm.
Hole size: PG29

FIST-GB-PTS24-FLEXWRAP-01

Kit with 2 half shells to hold the flexible wraparound protection tubing on the pigtail seal FIST-GB-PTS24-01

FIST-WAFLEX-23-50 (50 m)

FIST-WAFLEX-23-10 (10 m)

Dual wall, flexible wraparound tube (dia. approx. 25mm) to enter in a FIST-GB-PTS24-FLEXWRAP-01 (see above).

FIST-GB-PTS24-FLEXCLIP-10 (= 10pc)

Kit with wall mountable clips (including plugs and screws) to hold the wraparound flexible tube

Pigtail seal – 6 pigtails: FIST-GB-PTS6X4-PG21-01 (=1 pc)

Wraparound pigtail seal to seal 1 up to 6 single fiber pigtails
Cable range: diameter 0 – 4.0 mm.
Hole size: PG21



Pigtail seal – 4 pigtails: FIST-GB-GLD16-PT4 (= 10 pcs)

Wraparound pigtail seal to seal 1 up to 4 single fiber pigtails
Cable range: diameter: 0 – 2.4 mm.
Hole size: PG16

Multiple cable seal: FIST-GB-GLD16-4X4MM (= 10pc)

Cable seal to seal up to 4 cables
Cable range: diameter 2.4 – 4 mm.
Hole size: PG16

Multiple cable seal: FIST-GB-GLD21-4X6MM (= 10pc)

Cable seal to seal up to 4 cables
Cable range: diameter 4 - 6 mm.
Hole size: PG21

Multiple cable seal: FIST-GB-GLD21-4X7MM (= 10pc)

Cable seal to seal up to 4 cables
Cable range: diameter 5 -7 mm.
Hole size: PG21

Multiple cable seal: FIST-GB-GLD21-6X5MM (= 10pc)

Cable seal to seal up to 6 cables
Cable range: diameter 4 -5 mm.
Hole size: PG21

Multiple cable seal: FIST-GB-GLD21-8X4MM-10 (= 10pc)

Cable seal to seal up to 8 cables
Cable range: diameter 2.4 - 4 mm.
Hole size: PG21

Multiple cable seal: FIST-GB-GLD29-8X5.5MM (= 10pc)

Cable seal to seal up to 8 cables
Cable range: diameter 4 - 5.5 mm.
Hole size: PG29



Multiple cable seal: FIST-GB-GLD29-4X10MM (= 10pc)

Cable seal to seal up to 4 cables
Cable range: diameter 8 - 10 mm.
Hole size: PG29



Single cable glands: FIST-GB-GLDXX-01

Cable gland size ranges:
PG **16** - 6 to 14 mm
PG **21** - 9 to 18 mm
PG **29** - 15 to 26 mm
XX = cable gland size

Flex tube gland: FIST-GB-GLD16-17-FLEX2 (= 10pc)

Flex tube gland PG16 for tube with inside diameter 17 mm (FIST-GS-FLEX-17-50-S5027)
Hole size: PG16



Flex tube gland: FIST-GB-GLD16-10-FLEX2 (= 10pc)

Flex tube gland PG16 for tube with inside diameter 10 mm (FIST-GS-FLEX-10-50-S5027)
Hole size: PG16

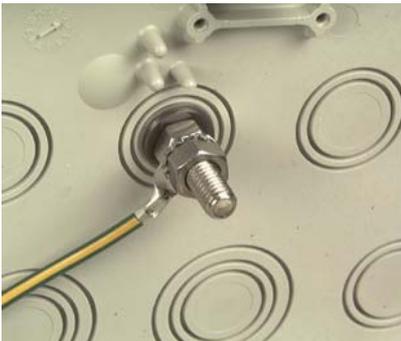
2.3.1. Other accessories

Adapters (termination version only)

For the BUDI-1S-T patch panel, we use the ADK adapter packs as they are known for many other product lines:

OC-ADK-XX-XX-NNCS-(24)
XX: S1 SC/UPC
S2 SC/APC
L1 LC/UPC duplex
L2 LC/UPC duplex

More options available in the adapter ordering guide



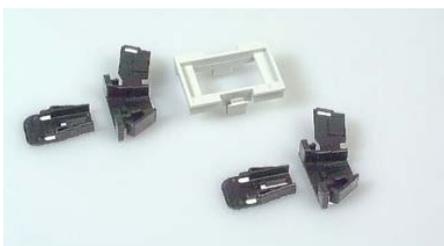
FIST-GB-GRND-02

Grounding feed-through kit (Internal and external grounding wire not included)



BUDI-COVER-PROTECT-LOCK

Universal cover to prevent opening BUDI boxes.
To be installed only in combination with the TE lock.



FSA-ADK-H1-4 (BUDI-M-TP version only)

FSA-ADK-H1-4 (BUDI-M-TP version only)

When pigtails are routed out of the box without a patching requirement an aramid strain relief device (KTU) is fitted in the patch panel which can provide strain relief.

Each KTU can accommodate:

- 2 individual pigtails with maximal diameter of 3.1 mm or
- 1 Ribbon4 pigtail or
- 1 Ribbon8 pigtail or
- 1 Ribbon12 pigtail

Maximum 9 retainers (thus 18 KTU's) can be placed in 1 connector patch panel.

Adaptors with FIST retainers

All information can be found in the datasheet of the optical components section; fiber components; OCA.

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