

# OpDAT VGAD

The design-compatible prefabricated fiber optic (FO) wall outlet



# Quality and ease of installation meet design

The OpDAT VGAD is the design-compatible solution for everyone who wants to integrate their fiber optic infrastructure professionally and aesthetically into a building. As a prefabricated fiber optic (FO) wall outlet, it seamlessly fits into the switch ranges of well-known manufacturers, combining state-of-the-art fiber optic installation technology with contemporary design. Whether in residential areas, offices, industry, or on campus: the OpDAT VGAD is effective everywhere.

The wall outlet is delivered ready for installation and immediate use: the singlemode OS2 indoor cable is pre-connected, the LC duplex adapters - available in APC or UPC - are pre-installed, and the cable is securely strain-relieved via the aramid fibers.

With 2 or 4 fibers and cable lengths of up to 150 m, the OpDAT VGAD covers virtually every installation scenario. Optional pulling aids additionally facilitate the insertion of the cable into the conduit and ensure fast, clean installation.

Thanks to its compact dimensions and a 45° angled plug direction, the OpDAT VGAD is highly versatile: it fits into flush-mounted, hollow-wall, and cable duct boxes with a minimum installation depth of only 45 mm.

## Applications of the VGAD wall outlet

- > FITH/Residential buildings  
Design integration into existing switch installations
- > Office cabling  
Uniform appearance in the office environment
- > Campus cabling  
High-quality fiber optic connections in companies, clinics, and educational institutions
- > Industrial cabling  
Fiber optic connectivity in production halls, machine rooms, and industrial environments

Installation types

UP0, UPk, UP, AP

Surface mount frame with min. 45 mm installation depth must be purchased separately from a suitable third-party supplier.

Fiber type

Singlemode  
OS2

Number of fibers

2 or 4

Minimum  
installation depth

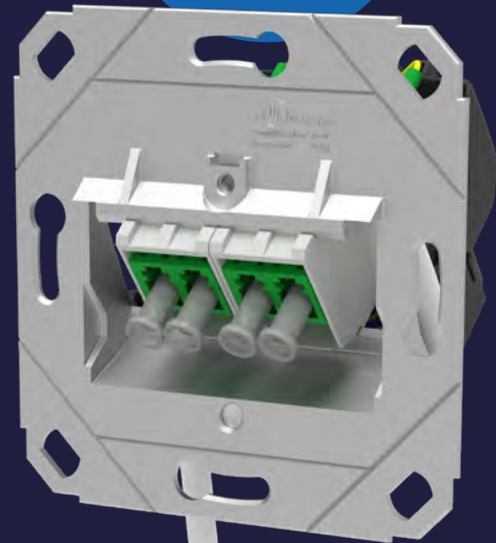
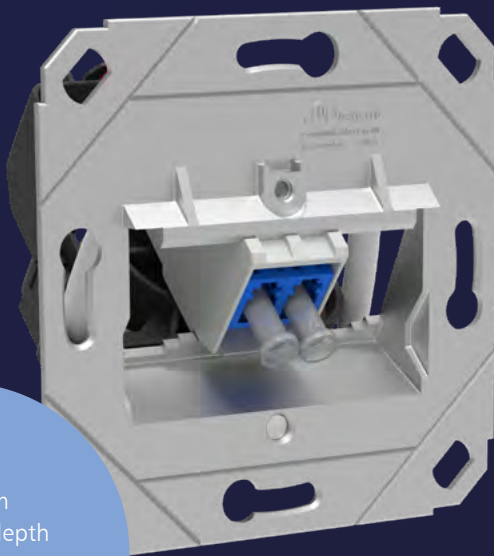
45 mm

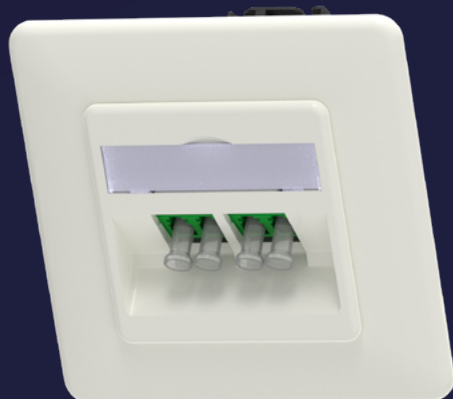
Adapters

1× or 2× LC-D  
APC/UPC

Colors of the center/  
cover plates

Pure white RAL 9010  
Traffic white RAL 9016





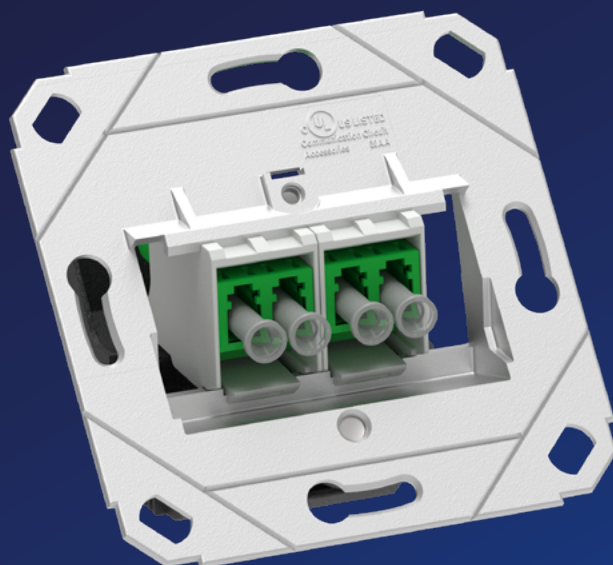
UP = Flush-mounted



AP = Surface mounted



UPk = Flush-mounted cable duct



UP0 = Flush-mounted for designer switch ranges

Overview of  
compatible switch  
ranges



# Variant overview

## The flexible fiber optic (FO) wall outlet for every installation situation

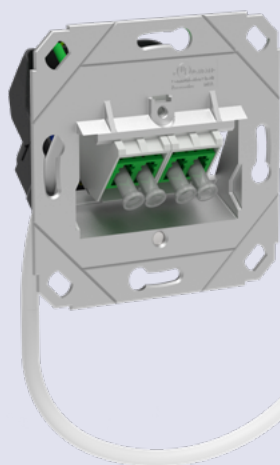
The OpDAT VGAD stands for maximum flexibility: the design-compatible fiber optic (FO) wall outlet is available in numerous variants and can be integrated into virtually any installation situation.

Depending on requirements, two fiber counts are available – 2-fiber (1× LC-D adapter) or 4-fiber (2× LC-D adapters) – as well as two colors: pure white (RAL 9010) and traffic white (RAL 9016).

Available with mini breakout cable compact ( $\varnothing$  4.5 mm / 900  $\mu$ m wires) or FITH cable ( $\varnothing$  2.3 mm / 250  $\mu$ m fibers) – each as singlemode OS2 (G.657.A2).

Four variants ensure the right installation: UP0 for design switch ranges, UP for classic flush mounting, UPk for installation in cable ducts, and AP for surface mounting (surface mount frame with min. 45 mm installation depth must be purchased separately from a suitable third-party supplier).

Cable end A



Cable end B

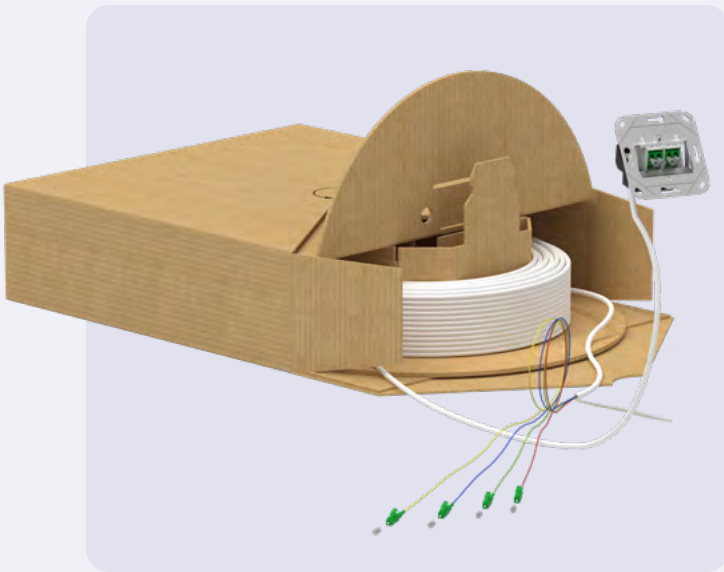
Open cable end for splicing or for field-terminated connectors

or

Fanout

Variant Plug-in:  
prefab with connectors (cascaded,  $L_{\min}$  310 mm)  
10 cm Aramid fibers overhang for strain relief

# Packaging



## Standard carton

The standard packaging (375 × 375 × 110 mm) is ideally suited for longer cable runs of over 60 m up to 150 m.

For lengths under 10 m, all cables are delivered as a cable loop without a drum (without pulling aid in poly bag, with pulling aid in carton).

- Variant Splice:  
FITH cable over 60 m – 150 m,  
MBO-Compact cable over 60 m – 150 m

- Variant Plug-in:  
MBO-Compact cable over 10 m up to 150 m  
(with pulling aid)



## Compact carton

The compact packaging (280 × 295 × 85 mm) is the space-saving solution for shorter runs up to 60 m – easy to transport, simple to store, and particularly practical as it allows direct unrolling without opening the carton.

For lengths under 10 m, all cables are delivered as a cable loop without a drum (without pulling aid in poly bag, with pulling aid in carton).

- Variant Splice:  
FITH cable over 10 m – 60 m,  
MBO-Compact cable over 10 m – 60 m

- Variant Plug-in:  
MBO-Compact cable over 10 m up to 60 m  
(with pulling aid Compact or bubble wrap)

# Technical data

## Features

|                                    |                       |
|------------------------------------|-----------------------|
| Dimensions wall outlet (H x W x D) | 69.9 x 69.9 x 51.5 mm |
|------------------------------------|-----------------------|

|          |          |
|----------|----------|
| Capacity | 4 fibers |
|----------|----------|

|        |            |        |
|--------|------------|--------|
| Fanout | $L_{Fmin}$ | 310 mm |
|--------|------------|--------|

|           |                    |
|-----------|--------------------|
| Cascading | 40 mm, single step |
|-----------|--------------------|

|                  |                     |         |
|------------------|---------------------|---------|
| Pulling aid IP50 | max. outer diameter | 29.5 mm |
|------------------|---------------------|---------|

|                     |                     |       |
|---------------------|---------------------|-------|
| Pulling aid Compact | max. outer diameter | 16 mm |
|---------------------|---------------------|-------|

|      |                          |
|------|--------------------------|
| Type | Cardboard drum in carton |
|------|--------------------------|

### Standard packaging

|                       |                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mini-Breakout Compact | over 60 m up to 150 m<br>(Variant Splice and Variant Plug-in with<br>pulling aid Compact or bubble wrap) over<br>10 m up to 150 m (Variant Plug-in with<br>pulling aid IP50) |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|          |  |
|----------|--|
| Capacity |  |
|----------|--|

|            |                                           |
|------------|-------------------------------------------|
| FITH cable | over 60 m up to 150 m<br>(Variant Splice) |
|------------|-------------------------------------------|

|            |                    |
|------------|--------------------|
| Dimensions | 375 x 375 x 110 mm |
|------------|--------------------|

### Compact packaging

|                       |                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------|
| Mini-Breakout Compact | over 10 m up to 60 m<br>(Variant Plug-in with pulling aid Compact<br>or bubble wrap) |
|-----------------------|--------------------------------------------------------------------------------------|

|          |  |
|----------|--|
| Capacity |  |
|----------|--|

|            |                                       |
|------------|---------------------------------------|
| FITH cable | over 10 m up to 60 m (Variant Splice) |
|------------|---------------------------------------|

|            |                   |
|------------|-------------------|
| Dimensions | 280 x 295 x 85 mm |
|------------|-------------------|

# Accessories



## Cover plates

|                                                                                     | Description                                    | P/N           |
|-------------------------------------------------------------------------------------|------------------------------------------------|---------------|
|   | Cover plates 80 x 80 mm, pure white, module    | 820395-0102-I |
|  | Cover plates 80 × 80 mm, traffic white, module | 820395-0127-I |



## Center plates 1 port

|                                                                                     | Description                                           | P/N           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|---------------|
|  | Center plate 50 × 50 mm 1 port, pure white, module    | 860210-0002-I |
|  | Center plate 50 × 50 mm 1 port, traffic white, module | 860210-27-I   |



Center plates 2 port

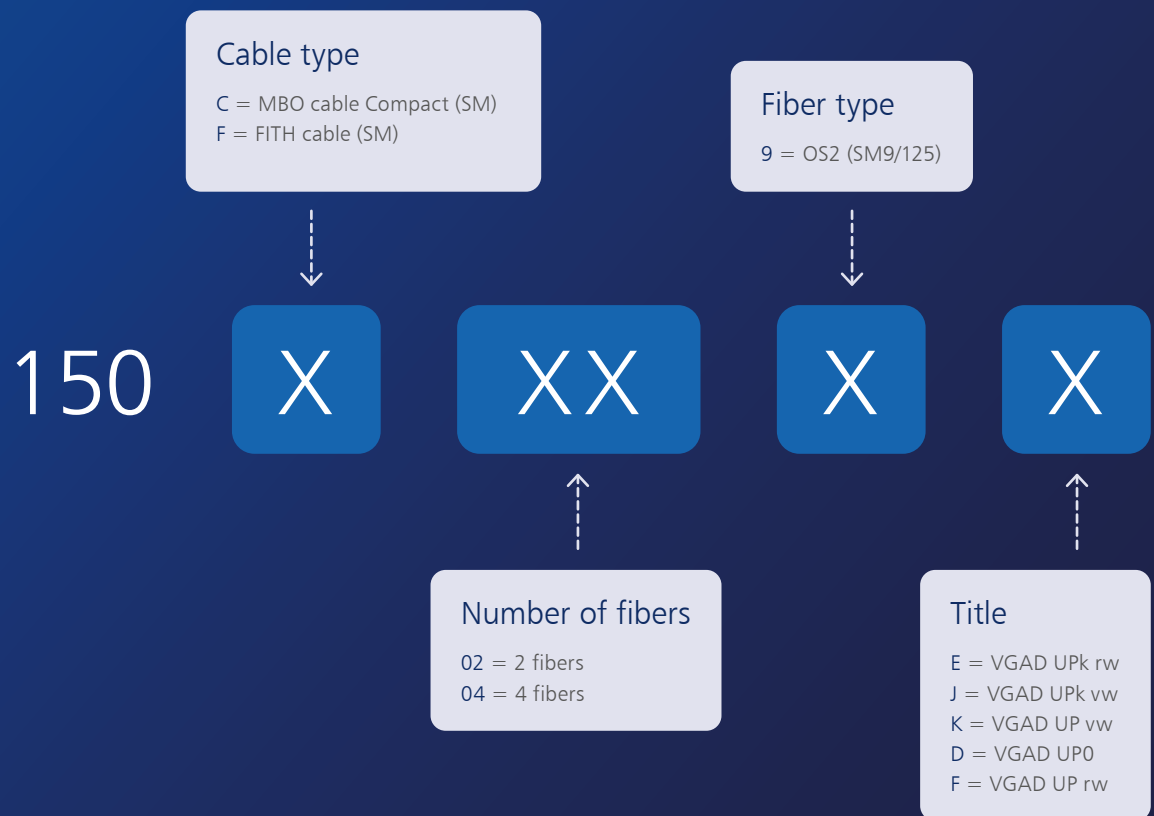
|                                                                                     | Description                                           | P/N           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|---------------|
|   | Center plate 50 × 50 mm 2 port, pure white, module    | 860210-0202-I |
|  | Center plate 50 × 50 mm 2 port, traffic white, module | 860210-0227-I |

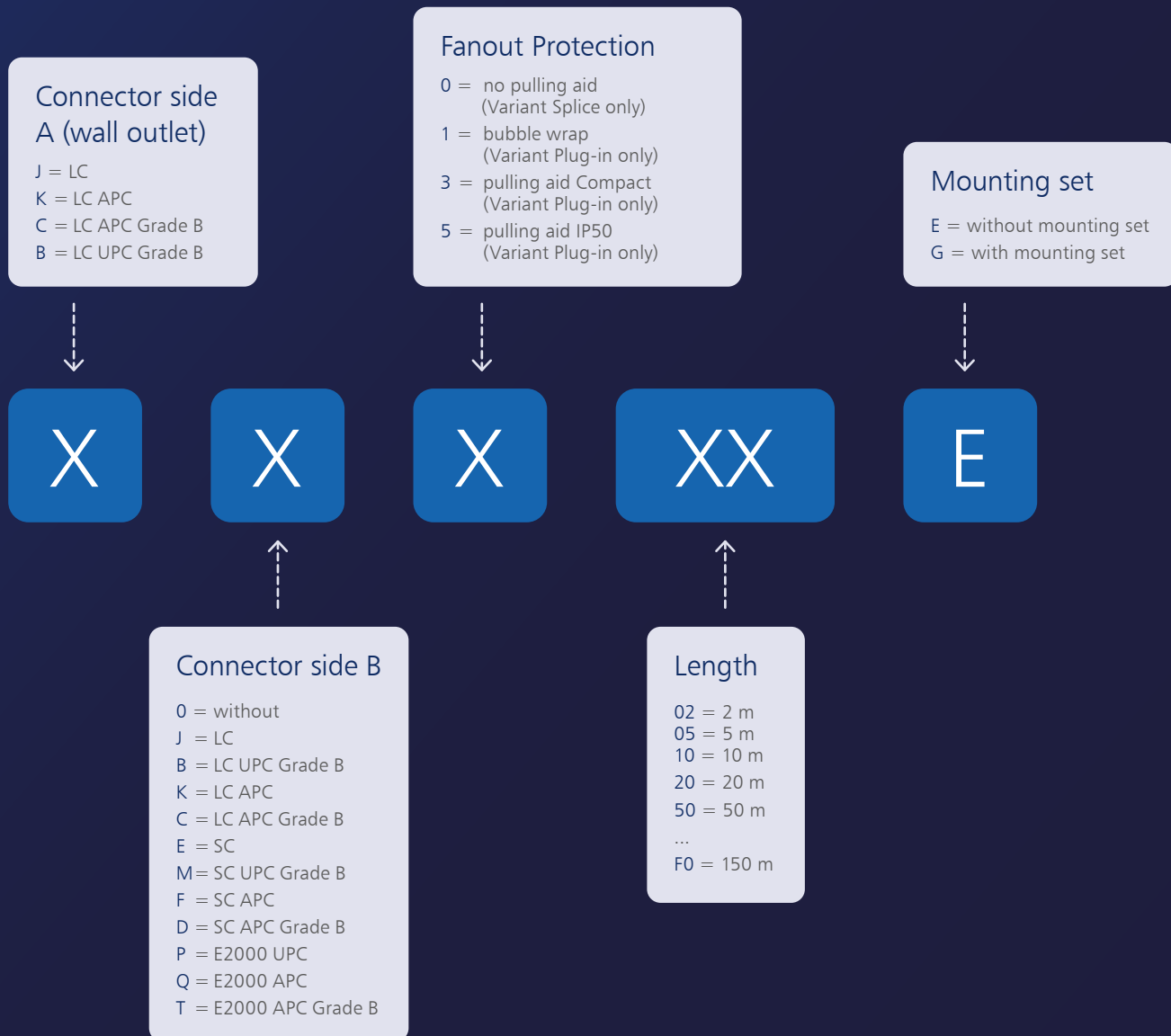


Patch cables

|                                                                                     | Description                                   | P/N          |
|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------|
|  | OpDAT patch cord LC-S APC/LC-S APC OS2, white | 151P7JAJAXXE |
|  | OpDAT patch cord LC-S/LC-S OS2, white         | 151P7JOJXXE  |
|  | OpDAT patch cord LC-D APC/LC-D APC OS2        | 151P1JAJAXXE |
|  | OpDAT patch cord LC-D/LC-D OS2                | 151P1JOJXXE  |

# Order key





Further variants on request.

Use our configurator on our homepage [www.metz-connect.com](http://www.metz-connect.com) to configure the required wall outlets.

This allows you to configure wall outlets individually according to your requirements and order them directly.



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