



## Model Number

**LLE 04-1,6-1,0-W C3**

Glass fiber optic - thru-beam with metal silicone covering

## Features

- Chemical-resistant

## Series

### Fiber optic amplifiers

Device series MLV41-LL

## Description

### Attention:

Fiber optics must not be twisted or kinked. Excessive tensile loads will lead to destruction. Contact with petrol or organic solvents must be prevented.



## Technical data

### General specifications

|                       |   |                                             |
|-----------------------|---|---------------------------------------------|
| Fiber optic length    | l | 1000 mm                                     |
| Fiber optic diameter  | d | 7.3 mm                                      |
| Adapter form          |   | 04                                          |
| End piece             |   | Thread / cylindrical right angle            |
| Bending radius        |   | min. 20 mm                                  |
| Fiber bundle diameter |   | 1.8 mm<br>optical face: 2.5 mm <sup>2</sup> |
| Angle of divergence   |   | approx. 68 °                                |

### Ambient conditions

|                     |                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------|
| Ambient temperature | -20 ... 85 °C (-4 ... 185 °F) [Adapter]<br>-40 ... 180 °C (-40 ... 356 °F) [End head and Covering] |
| Storage temperature | -20 ... 85 °C (-4 ... 185 °F)                                                                      |

### Mechanical specifications

|                   |                                   |
|-------------------|-----------------------------------|
| Protection degree | IP65                              |
| Material          |                                   |
| Optical face      | glass                             |
| Sheathing         | Metal-silicon                     |
| Core              | Glass fiber                       |
| End piece         | Stainless steel 1.4305 / AISI 303 |
| Adapter           | PVC                               |
| Extraction force  | at probe at 20°C: 120 N           |

## Dimensions

