

## Technical data sheet

### Glass fiber optics type diffuse reflective

Part no.: 50153814

GF-ETB-SS-610-SM

#### Contents

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For illustration purposes only

## Technical data

### Basic data

Series	GF
Operating principle	Diffuse reflection principle
Area of application	General applications

### Special version

Special version	Heat resistant
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### Optical data

Opening angle	60 °
Light beam exit	Front
Fiber core	Mixed fiber configuration Multiple fiber core
Fiber core material	Glass
Active fiber diameter	1 mm
Operating range with LV461	2 ... 60 mm
Operating range with LV462	2 ... 100 mm
Operating range with LV463	2 ... 180 mm
Operating range with LV463.XV	3 ... 305 mm
Operating range with LV463.XR	5 ... 450 mm

### Connection

Connection, amplifier side	Ø 2.2 mm
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### Mechanical data

Design	Cylindrical
Outer diameter	2.9 mm
Head material	Stainless steel
Type	Glass fiber optics (GF)
Fiber length	1,000 mm
Fiber sheathing material	Stainless steel
Fastening of the probe	M6
Smallest bending radius (static)	R23
Smallest bending radius (moving)	R23
Sleeve length at optical outlet	33 mm
Metric thread on fiber optic sleeve	Yes
Laying	standard

### Environmental data

Ambient temperature, operation	-40 ... 250 °C
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### Classification

Customs tariff number	90011090
ECLASS 5.1.4	27270905
ECLASS 8.0	27270905
ECLASS 9.0	27270905
ECLASS 10.0	27270905
ECLASS 11.0	27273606
ECLASS 12.0	27273606
ECLASS 13.0	27273606
ECLASS 14.0	27273606
ECLASS 15.0	27273606
ECLASS 16.0	27273606
ETIM 5.0	EC002651
ETIM 6.0	EC002651
ETIM 7.0	EC002651
ETIM 8.0	EC002651
ETIM 9.0	EC002651
ETIM 10.0	EC002651
UNSPSC 26.08	41112103

