

Technical data sheet

Plastic fiber optics for throughbeam operation

Part no.: 50141253

KFX-L-10MLD-20

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For illustration purposes only

Technical data

Basic data

Series	KFX
Operating principle	Throughbeam principle
Device type	Transmit and receive fiber
Area of application	General applications

Special version

Special version	Area detection
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Optical data

Light beam exit	Lateral
Fiber core	Mixed fiber configuration
	Multiple fiber core
Fiber core material	Plastic
Active fiber diameter	0.265 mm x 16 Piece(s)
Operating range with LV461	0 ... 150 mm
Operating range with LV462	0 ... 260 mm
Operating range with LV463	0 ... 450 mm
Operating range with LV463.XV	0 ... 675 mm
Operating range with LV463.XR	0 ... 810 mm
Operating range with LV463L.XR	0 ... 1,250 mm

Measurement data

Minimum object diameter	1 mm
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Mechanical data

Design	Cubic
Outer diameter	2.2 mm
Net weight	27 g
Head material	Plastic
Type	Plastic fiber optics with bend protection (KFX)
Fiber length	2,000 mm
Light field width	4.24 mm
Fiber sheathing material	PE
Fastening of the probe	2 x M2
Smallest bending radius (moving)	R25
Laying	standard
Damping at $\lambda = 650\text{nm}$	210 dB/km

Environmental data

Ambient temperature, operation	-55 ... 70 °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

Accessories

Note	
	A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.