
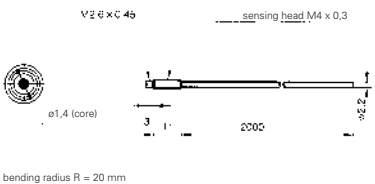
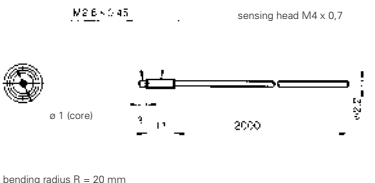
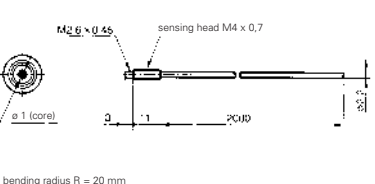
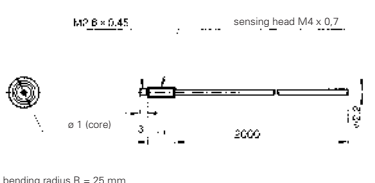
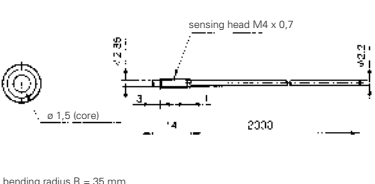







Through beam types




* For doubling lenses and fiber optics with lateral light exit see page 54

Tw : Sensing range length 200 cm

Sensing head M4		Features
		Part number
 <p>V2.6 x C 45 sensing head M4 x 0.3</p> <p>Tw 400 mm</p> <p>bending radius R = 20 mm</p>	Large actual range FWE 200C1Y00 Excess gain curve Light beam curve	
	 <p>M2.6 x C 45 sensing head M4 x 0.7</p> <p>Tw 160 mm</p> <p>bending radius R = 20 mm</p>	Standard FSE 200C1Y00 Excess gain curve Light beam curve
 <p>M2.6 x C 45 sensing head M4 x 0.7</p> <p>Tw 80 mm</p> <p>bending radius R = 20 mm</p>	Highly flexible R = 2 mm FSE 200E1Y00 Excess gain curve Light beam curve	
	 <p>M2.6 x C 45 sensing head M4 x 0.7</p> <p>Tw 200 mm</p> <p>bending radius R = 25 mm</p>	High temperature +105 °C FSA 200C1Y00 Excess gain curve Light beam curve
 <p>M2.6 x C 45 sensing head M4 x 0.7</p> <p>Tw 400 mm</p> <p>bending radius R = 35 mm</p>		High temperature +150 °C FSB 200C1Y00 Excess gain curve Light beam curve

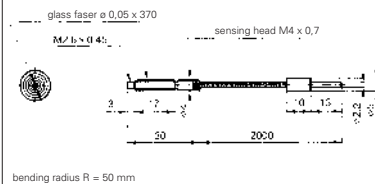
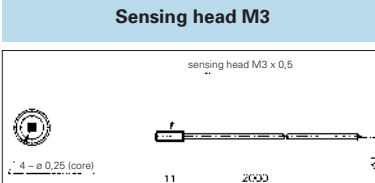
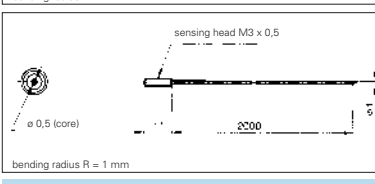
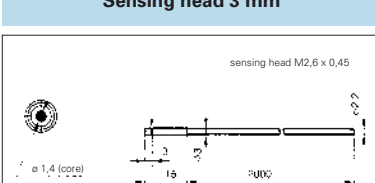
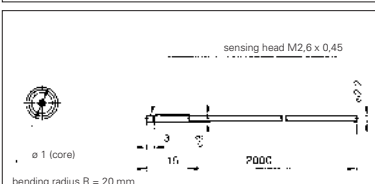
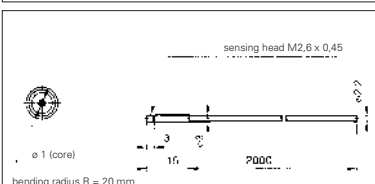
Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
				
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 400 mm	Tw 160 mm	Tw 800 mm	Tw 540 mm	Tw 540 mm
25	49	01	181	181
205	209	210	229	229
Tw 200 mm	Tw 80 mm	Tw 400 mm	Tw 290 mm	Tw 290 mm
26	50	02	182-184*	182-184*
345	100	74	230-232*	230-232*
Tw 150 mm	Tw 60 mm	Tw 300 mm	Tw 220 mm	Tw 220 mm
212	216	219	223	223
215	218	222	226	226
Tw 120 mm	Tw 50 mm	Tw 250 mm	Tw 170 mm	Tw 170 mm
34	58	10	194-196*	194-196*
95	108	82	242-244*	242-244*
Tw 200 mm	Tw 80 mm	Tw 400 mm	Tw 290 mm	Tw 290 mm
236	238	240	197	197
237	239	246	245	245





Through beam types



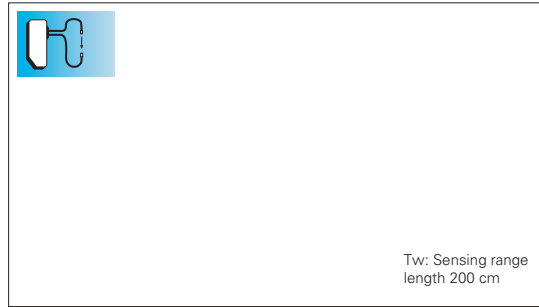
* For doubling lenses and fiber optics with lateral light exit see page 54

Tw: sensing range length 200 cm

Sensing head M4		Features
		Part number
 <p>glass fiber ø 0.05 x 370 sensing head M4 x 0.7</p> <p>Tw 250 mm</p> <p>bending radius R = 50 mm</p>	Heat and cold resistant -60...+350 °C FSG 200C1Y00 Excess gain curve Light beam curve	
	 <p>sensing head M3 x 0.5</p> <p>Tw 40 mm</p> <p>bending radius R = 4 mm</p>	Standard FSE 200D1Y50 Excess gain curve Light beam curve
 <p>sensing head M3 x 0.5</p> <p>Tw 20 mm</p> <p>bending radius R = 1 mm</p>		Highly flexible R = 1 mm FSE 200F1Y00 Excess gain curve Light beam curve
	 <p>sensing head 3 mm</p> <p>Tw 100 mm</p> <p>bending radius R = 20 mm</p>	Features Part number
 <p>sensing head M2.6 x 0.45</p> <p>Tw 50 mm</p> <p>bending radius R = 20 mm</p>		Large actual range FWE 200C2Y00 Excess gain curve Light beam curve
	 <p>sensing head M2.6 x 0.45</p> <p>Tw 400 mm</p> <p>bending radius R = 20 mm</p>	Standard FSE 200C2Y00 Excess gain curve Light beam curve

Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
				
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 120 mm	Tw 50 mm	Tw 250 mm	Tw 160 mm	Tw 160 mm
346/37*	347/61*	348/13*	201-203*	201-203*
97/98*	110/111*	84/85*	249-251*	249-251*
Tw 40 mm	Tw 20 mm	Tw 100 mm	Tw 45 mm	Tw 45 mm
29	53	349	186	186
90	103	77	234	234
Tw 25 mm	Tw 12 mm	Tw 50 mm	Tw 35 mm	Tw 35 mm
247	253	258	263	263
248	257	260	264	264
Tw 400 mm	Tw 160 mm	Tw 800 mm	Tw 540 mm	Tw 540 mm
25	49	01	181	181
86	99	73	229	229
Tw 200 mm	Tw 80 mm	Tw 400 mm	Tw 290 mm	Tw 290 mm
26	50	02	182-184*	182-184*
345	100	74	230-232*	230-232*

Through beam types



Small external diameter	Features Part number
-------------------------	-------------------------

Lateral light exit	FSE 200D4Y00
Excess gain curve	28
Light beam curve	89

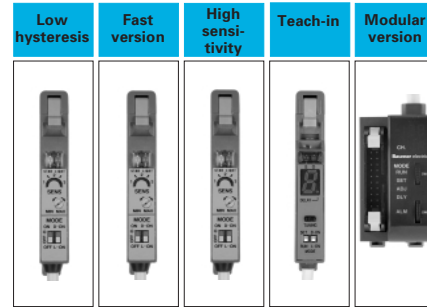
Lateral light exit min. bending radius	FSE 200F4Y00
Excess gain curve	270
Light beam curve	271

Small external diameter	FSE 200D2Y00
Excess gain curve	29
Light beam curve	90

Small external diameter	FSE 200D2Y50
Excess gain curve	293
Light beam curve	296

Chemical and oil resistance	Features Part number
-----------------------------	-------------------------

Chemical and oil resistance	FSC 200C2Y00
Excess gain curve	35
Light beam curve	96



Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
----------------	--------------	------------------	----------	-----------------

FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 30 mm	Tw 12 mm	Tw 60 mm	Tw 40 mm	Tw 40 mm
28	52	350	185	185
89	102	351	352	352

Tw 10 mm	Tw 3 mm	Tw 20 mm	Tw 14 mm	Tw 14 mm
270	274	279	284	284
271	278	281	286	286

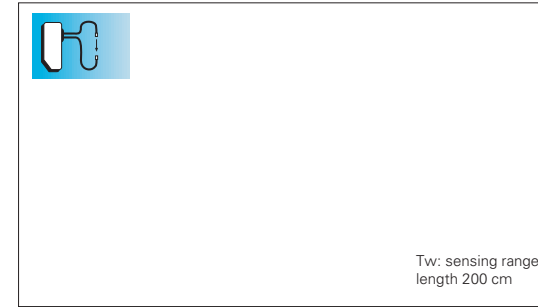
Tw 40 mm	Tw 20 mm	Tw 100 mm	Tw 45 mm	Tw 45 mm
29	53	349	186	186
90	103	77	234	234

Tw 6 mm	Tw 2 mm	Tw 12 mm	Tw 9 mm	Tw 9 mm
293	297	299	204	204
296	298	300	252	252

FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
--------------	--------------	--------------	--------------	--------------

Tw 800 mm	Tw 300 mm	Tw 1600 mm	Tw 1000 mm	Tw 1000 mm
35	59	11	193	193
96	109	83	241	241

Through beam types



Chemical and oil resistance	Features Part number
-----------------------------	-------------------------

Lateral light exit	FSC 200C4Y00
Excess gain curve	354
Light beam curve	355

Parallel beam	Features Part number
---------------	-------------------------

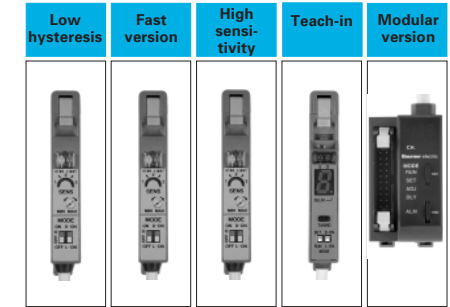
2,8 mm Parallel beam ±2°	FPE 200C1Y00
Excess gain curve	305
Light beam curve	306

2,3 mm Parallel beam ±1°	FPE 200D1Y00
Excess gain curve	311
Light beam curve	312

4 mm Parallel beam ±2°	FPE 200C4Y00
Excess gain curve	321
Light beam curve	322

Array	Features Part number
-------	-------------------------

Recognition of small or thin objects	FSE 200C6Y00
Excess gain curve	327
Light beam curve	328



Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
----------------	--------------	------------------	----------	-----------------

FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 170 mm	Tw 70 mm	Tw 340 mm	Tw 250 mm	Tw 250 mm
354	356	358	301	301
355	357	359	302	302

Tw 750 mm	Tw 300 mm	Tw 1500 mm	Tw 1000 mm	Tw 1000 mm
305	307	309	206	206
306	308	310	254	254

Tw 600 mm	Tw 240 mm	Tw 1200 mm	Tw 870 mm	Tw 870 mm
311	313	315	317	317
312	314	316	318	318

Tw 800 mm	Tw 320 mm	Tw 1600 mm	Tw 1100 mm	Tw 1100 mm
321	323	325	207	207
322	324	326	255	255

FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
--------------	--------------	--------------	--------------	--------------

Tw 125 mm	Tw 50 mm	Tw 250 mm	Tw 190 mm	Tw 190 mm
327	329	331	333	333
328	330	330	334	334