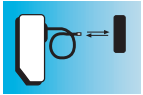
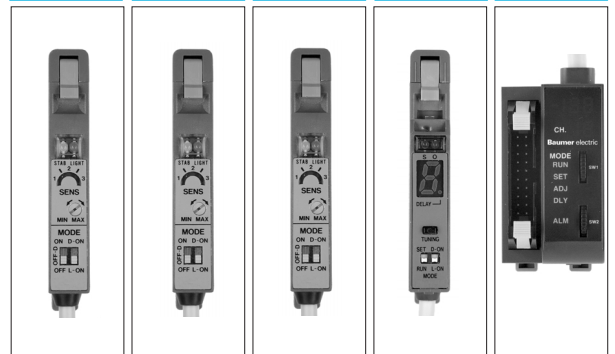


Reflective types



Tw : Sensing range length 200 cm

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



Sensing head M6 x 0,75 mm	Features
	Part number

<p>bending radius R = 20 mm</p> <p>4143437</p>	Large actual range	FLE 200C1Y00
	Excess gain curve	38
	Light beam curve	123
	Distance/object curve	155

<p>bending radius R = 20 mm</p> <p>4143383</p>	Coaxial optics	FCE200C1Y00
	Excess gain curve	42
	Light beam curve	127
	Distance/object curve	159

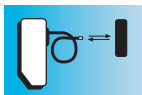
<p>bending radius R = 2 mm</p> <p>4143723</p>	Highly flexible, minimum bending radius	FUE 200E1Y00
	Excess gain curve	03
	Light beam curve	06
	Distance/object curve	-

<p>bending radius R = 25 mm</p> <p>4143632</p>	Heat-resistant to +105 °C	FUA 200C1Y00
	Excess gain curve	46
	Light beam curve	131
	Distance/object curve	163

<p>bending radius R = 35 mm</p> <p>4143644</p>	Heat-resistant to +150 °C	FUB 200C1Y00
	Excess gain curve	30
	Light beam curve	31
	Distance/object curve	-

FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 120 mm	Tw 45 mm	Tw 230 mm	Tw 150 mm	Tw 150 mm
38	62	14	208	208
123	134	112	256	256
155	166	144	277	277
Tw 80 mm	Tw 30 mm	Tw 150 mm	Tw 110 mm	Tw 110 mm
42	66	18	213	213
127	138	116	261	261
159	170	148	282	282
Tw 40 mm	Tw 15 mm	Tw 80 mm	Tw 60 mm	Tw 60 mm
03	07	09	16	16
06	08	15	17	17
-	-	-	-	-
Tw 50 mm	Tw 20 mm	Tw 100 mm	Tw 70 mm	Tw 70 mm
46	70	22	221	221
131	142	120	269	269
163	174	152	288	288
Tw 80 mm	Tw 30 mm	Tw 150 mm	Tw 110 mm	Tw 110 mm
30	32	36	337	337
31	33	39	338	338
-	-	-	339	339

Reflective types

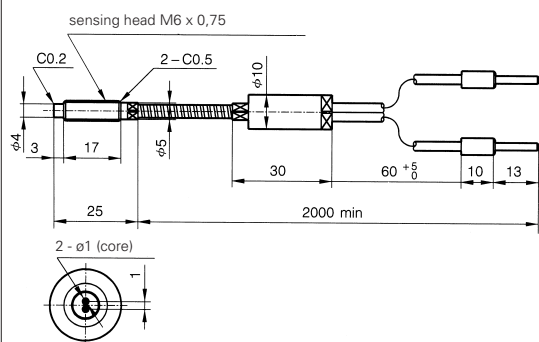


Tw: sensing range length 200 cm

Sensing head M6 x 0,75 mm

Features

Part number



bending radius R = 50 mm

4143735

Heat and cold resistant
-60...+350 °C

FUG 200C1Y00

Excess gain curve

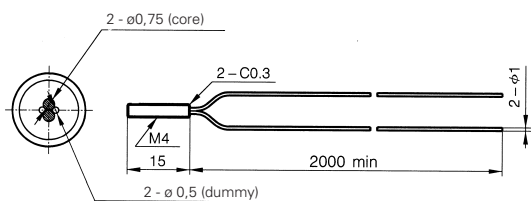
Light beam curve

Distance/object curve

Sensing head M4

Features

Part number



bending radius R = 15 mm

4143449

Low fiber diameter
Large actual range

FLE 200D1Y00

Excess gain curve

Light beam curve

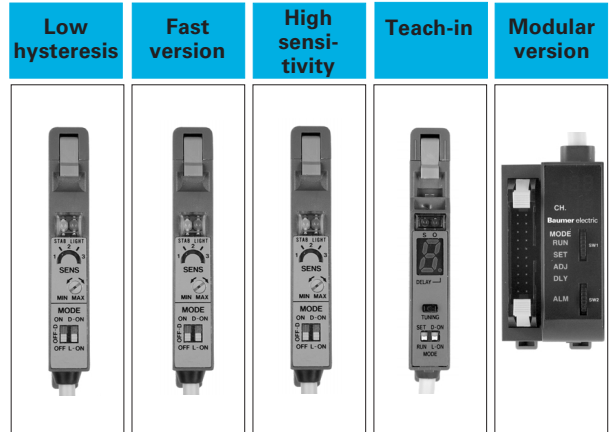
Distance/object curve

Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 30 mm	Tw 15 mm	Tw 90 mm	Tw 60 mm	Tw 60 mm
48	72	24	224	224
133	-	158	272	272
165	176	154	291	291
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 40 mm	Tw 15 mm	Tw 80 mm	Tw 55 mm	Tw 55 mm
41	51	55	57	57
45	54	56	60	60
-	-	-	-	-

Reflective types



Tw : Sensing range length 200 cm



Sensing head M3	Features
	Part number

<p>4143700</p>	Standard version
	FUE 200D1Y00
	Excess gain curve
	Light beam curve
Distance/object curve	

<p>4143395</p>	Coaxial optics
	FCE200D1Y00
	Excess gain curve
	Light beam curve
Distance/object curve	

<p>4143371</p>	Coaxial optics High precision
	FCE 050C1Y10
	Excess gain curve
	Light beam curve
Distance/object curve	

<p>4143401</p>	Coaxial optics Highly flexible
	FCE 200E1Y00
	Excess gain curve
	Light beam curve
Distance/object curve	

Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 20 mm	Tw 8 mm	Tw 40 mm	Tw 30 mm	Tw 30 mm
40	64	340	211	211
125	136	114	259	259
157	168	146	280	280
Tw 20 mm	Tw 8 mm	Tw 40 mm	Tw 25 mm	Tw 25 mm
43	67	19	214	214
128	139	117	262	262
160	171	149	283	283
Tw 10 mm	Tw 4 mm	Tw 21 mm	Tw 18 mm	Tw 18 mm
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Tw 10 mm	Tw 5 mm	Tw 18 mm	Tw 13 mm	Tw 13 mm
75	44	161	68	68
76	129	217	69	69
-	-	-	-	-

Reflective types

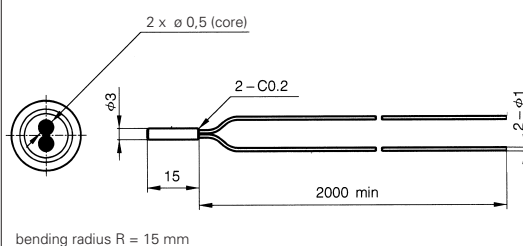


Tw: sensing range length 200 cm

Sensing head 3 mm

Features

Part number

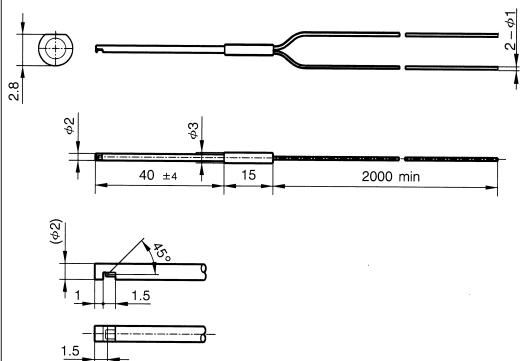


bending radius R = 15 mm

Small sensing head

4143711
FUE 200D2Y00

Excess gain curve
Light beam curve
Distance/object curve



bending radius R = 15 mm

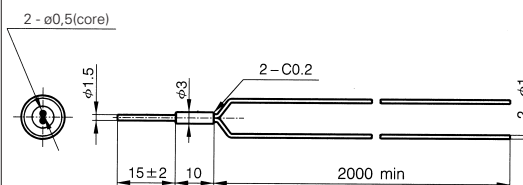
Lateral light exit

Small external diameter

FUE 200C4Y00

4143681

Excess gain curve
Light beam curve
Distance/object curve



bending radius R = 15 mm

Small external diameter

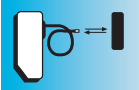
FUE 200C2Y00

4143681

Excess gain curve
Light beam curve
Distance/object curve

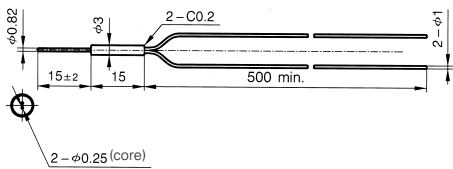
Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 20 mm	Tw 8 mm	Tw 40 mm	Tw 30 mm	Tw 30 mm
40	64	16	211	211
125	136	114	259	259
157	168	146	280	280
Tw 8 mm	Tw 3 mm	Tw 15 mm	Tw 12 mm	Tw 12 mm
78	341	20	344	344
79	342	118	266	266
80	343	150	285	285
Tw 20 mm	Tw 8 mm	Tw 40 mm	Tw 25 mm	Tw 25 mm
81	92	101	227	227
87	93	104	275	275
91	94	105	294	294

Reflective types



Tw : Sensing range length 200 cm

Sensing head 3 mm	Features
	Part number



Small external diameter

FUE 050C2Y10
*length 50 cm

Excess gain curve

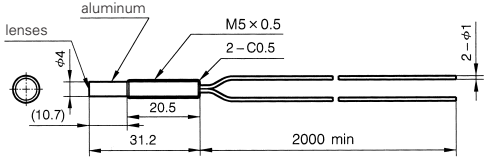
Light beam curve

Distance/object curve

bending radius R = 15 mm

4143668

Sensing head M5	Features
	Part number



Parallel beam

FKE 200D1Y00

Excess gain curve

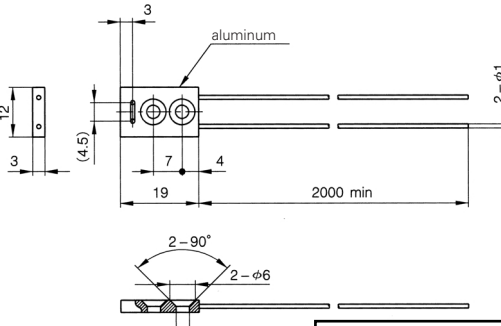
Light beam curve

Distance/object curve

bending radius R = 15 mm

4143425

Focus	Features
	Part number



FFE 200D6Y00






Excess gain curve

Light beam curve

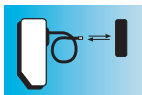
Distance/object curve

bending radius R = 15 mm

4143413

Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
				
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 2 mm	Tw -	Tw 4 mm	Tw 3 mm	Tw 3 mm
106	115	126	225	225
107	119	130	273	273
113	124	135	292	292
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 20 mm	Tw 12 mm	Tw 20 mm	Tw 20 mm	Tw 20 mm
137	145	156	228	228
140	147	158	276	276
141	151	162	295	295
FVDK 10x81Y0	FVDK 10x82Y0	FVDK 10x83Y0	FVDK 10x6xY0	FVDK 31x06Y0
Tw 2,5 ± 0,5	Tw -	Tw 2,5 ± 0,5	Tw 2,5 ± 0,5	Tw 2,5 ± 0,5
192	-	198	199	199
-	-	-	-	-
-	-	-	-	-

Reflective types

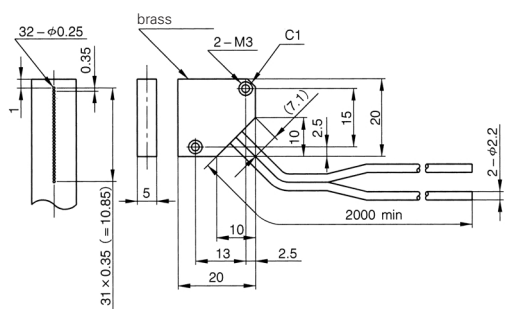


Tw: sensing range length 200 cm

Array

Features

Part number



bending radius R = 20 mm

4143693

Recognition of small or thin objects

FUE 200C6Y00

Excess gain curve

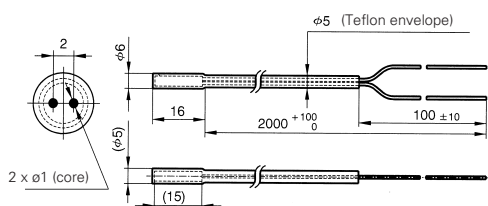
Light beam curve

Distance/object curve

Sensing head 6 mm

Features

Part number



bending radius R = 80 mm

4143656

Chemical and oil resistance

FUC 200C2Y00

Excess gain curve

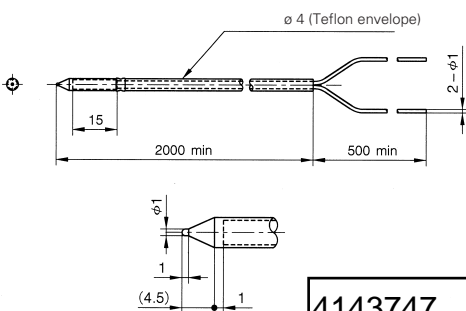
Light beam curve

Distance/object curve

Level recognition

Features

Part number



bending radius R = 30 mm

4143747

Level recognition

FUL 200D2Y00

Excess gain curve

Light beam curve

Distance/object curve

Low hysteresis	Fast version	High sensitivity	Teach-in	Modular version
FVDK 10x81Y00	FVDK 10x82Y00	FVDK 10x83Y00	FVDK 10x6xY00	FVDK 31x06Y00
Tw 50 mm	Tw 20 mm	Tw 100 mm	Tw 75 mm	Tw 75 mm
167	173	179	188	188
169	177	180	189	189
172	178	187	353	353
FVDK 10x81Y00	FVDK 10x82Y00	FVDK 10x83Y00	FVDK 10x6xY00	FVDK 31x06Y00
Tw 50 mm	Tw 20 mm	Tw 50 mm	Tw 50 mm	Tw 50 mm
47	71	23	220	220
132	143	121	268	268
164	175	153	287	287
FVDK 10x81Y00	FVDK 10x82Y00	FVDK 10x83Y00	FVDK 10x6xY00	FVDK 31x06Y00
Tw -	Tw -	Tw -	Tw -	Tw -
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-