

**S<sub>b</sub> = 4 m**

- very small housing 12 mm
- 100 kHz high clock frequency
- aluminum housing material rugged



#### general data

measuring field	150 ... 1590 mm
actual range S <sub>b</sub>	< 4 m
beam distance	10 mm
resolution	10 mm
number of beams	16 ... 160
alignment aid	LED green
light source	infrared diode
wave length	950 nm
clock frequency	100 kHz
clock speed per beam	10 μs
analysis time	150 μs
cycle time min.	820 μs

#### electrical data

voltage supply range +Vs	24 VDC ± 10 %
residual ripple	< 200 mV
current consumption max.	1 A
short circuit protection	yes
reverse polarity protection	yes

#### mechanical data

width / diameter	12 mm
depth	40 mm
type	rectangular
housing material	aluminum

#### ambient conditions

operating temperature	-25 ... +55 °C
humidity	0 ... 90 % (non condensed)
protection class	IP 65

#### included in delivery

power/data cable	length 2 m
synchronization cable	length 5 m
specify other lengths when ordering	

cable for RS422, analog output and switching output must be ordered separately

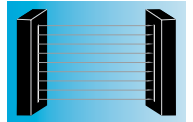
#### accessory

programming kit:	11000605	
software "SpiderView 012/10"		
interface cable with RS 422/RS 232	length 2 m	
manual		
cable RS 422	length 2 m	11000643
cable analog / voltage output	length 5 m	10164435
interface cable with RS 422/RS 232	length 2 m	10164765
specify other lengths when ordering		

order reference	number of beams	measuring field L <sub>m</sub>	height/length L
FCDM 012x0150/10.0	16	150 mm	335 mm
FCDM 012x0310/10.0	32	310 mm	495 mm
FCDM 012x0470/10.0	48	470 mm	655 mm
FCDM 012x0630/10.0	64	630 mm	815 mm
FCDM 012x0790/10.0	80	790 mm	975 mm
FCDM 012x0950/10.0	96	950 mm	1135 mm
FCDM 012x1110/10.0	112	1110 mm	1295 mm
FCDM 012x1270/10.0	128	1270 mm	1455 mm
FCDM 012x1430/10.0	144	1430 mm	1615 mm
FCDM 012x1590/10.0	160	1590 mm	1775 mm

#### interface

J	output PNP + RS 422
A	output analog + RS 422



**configuration**

If a configuration different from the factory setting is desired, this must be specified in the order. Other settings can also be made with the programming kit. In this case, it is essential that a version with RS 422 interface is ordered.

	factory setup	optional
data format	normal	"largest blocked area" or "over all"
actual range	0,6 ... 1 m	... m (min. 0,2 m / max. 4 m)
output mode	number of beams	mm
coding	binary	«Gray» or «BCD»
double scanning	no	yes
smoothing data	1 beam	number of beams
analog output	0 ... 10 VDC	4 ... 20 mA

**dimension drawing**

