

Sb = 4 m

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



general data

measuring field	150 ... 1550 mm
actual range Sb	< 4 m
beam distance	50 mm
resolution	50 mm
number of beams	4 ... 32
alignment aid	LED green
light source	infrared diode
wave length	950 nm
clock frequency	91 kHz
clock speed per beam	11 µs
analysis time	150 µs

electrical data

voltage supply range +Vs	24 VDC ± 10 %
residual ripple	< 200 mV
current consumption max.	500 mA
output circuit	PNP
output current	< 100 mA
interface	RS 422
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

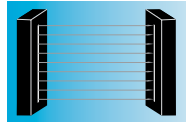
included in delivery

power/data cable/RS 422/output	length 3 m
synchronization cable	length 2 x 2,5 m
specify other lengths when ordering	

accessory

programming kit:	11000606
software "SpiderView 012/50"	
interface cable with RS 422/RS 232	length 2 m
manual	

order reference	number of beams	measuring field Lm	height/length L
FCDM 012J0150/50.0	4	150 mm	252 mm
FCDM 012J0350/50.0	8	350 mm	450 mm
FCDM 012J0550/50.0	12	550 mm	650 mm
FCDM 012J0750/50.0	16	750 mm	850 mm
FCDM 012J0950/50.0	20	950 mm	1050 mm
FCDM 012J1150/50.0	24	1150 mm	1250 mm
FCDM 012J1350/50.0	28	1350 mm	1450 mm
FCDM 012J1550/50.0	32	1550 mm	1650 mm



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	1,2 ... 2 m	... m (min. 0,5 m/max. 4 m)
output mode	number of beams	mm
coding	binary	-
double scanning	no	yes (not programmable with "SpiderView 012/50")
smoothing data	1 beam	number of beams

dimension drawing

