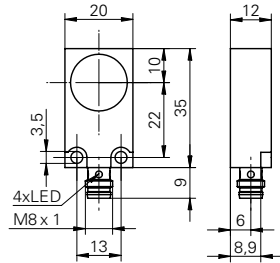


Capacitive proximity sensors

CFDM 20N3500/S35L

dimension drawing



general data

nominal sensing distance S_n	5 mm
mounting type	flush
GND electrode	yes
temperature drift	$\pm 15\%$ (+10 ... +70 °C)
sensitivity adjustment	no
output indicator	4 port LED

electrical data

voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	20 mA
output circuit	NPN break function (NC)
output current	< 200 mA
voltage drop Vd	< 1,5 VDC
switching frequency	< 50 Hz
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	rectangular
housing material	brass nickel plated
dimension	20 mm
housing length	35 mm
connection types	connector M8

ambient conditions

operating temperature	-25 ... +75 °C
protection class	IP 65

field of application

detection of non-conductive media	yes
fill level detection through container	yes
liquids in direct contact	no
object detection / bulk goods	yes

photo



connection diagram

