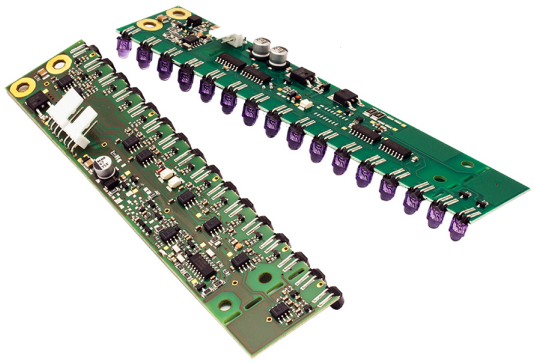


NX

NX16SR/XCN-AT10

Area Sen,h=157mm-10mm pitch,E+R

MEDIUM RESOLUTION AREA SENSORS WITHOUT HOUSING

OVERVIEW

- Complete protection against electrical damages
- LED indicators
- Crossed beams detection
- Without housing
- 16 or 14 optics
- Detection of goods in automatic vending machines
- Detection of objects with irregular shape

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,5 … 2m
Beams space	10mm
controlled height	150mm
minimum detectable object	Ø 5mm
number of rays	16
Sensitivity adjustment	Yes

Application

Function Principle	emitter+receiver

Outputs

Output type	NPN
Output Function	NC
Switching frequency	130Hz
Resposnse time for light/dark transition	500µs
Resposnse time for dark/light transition	7ms

Electrical data

Operating Voltage	10…26VDC
No-Load supply current	150mA (emitter) - 25mA (receiver)
Load current	100mA
Leakage current	< 10µA @ 26V
Output voltage drop	≤2V@100mA
Max ripple content	10%
LED indicators	emitter: yellow (poweON and emission active) - receiver: red (signal level) - yellow (output state active)
Time delay before availability	< 85 ms
Short-circuit protection	Yes

Reverse Polarity Protection	Yes
Emission	Infrared (880nm)
Interference to external light	1000lux (incandescent light) - 1500lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	157 x 36 x 18mm
Weight	104g
Connections	With PCB connectors / Emitter, Conn. 3 MOLEX 22-05-7038 - Positive, Check, Common / Receiver, Conn. 1 MOLEX 22-05-7038 - Positive, Check, Common / Receiver, Conn. 2 MOLEX 22-05-7048 Positive, Check, Output, Common
Operating temperature	0°C…+ 55° C (without freeze)

Test/Approvals

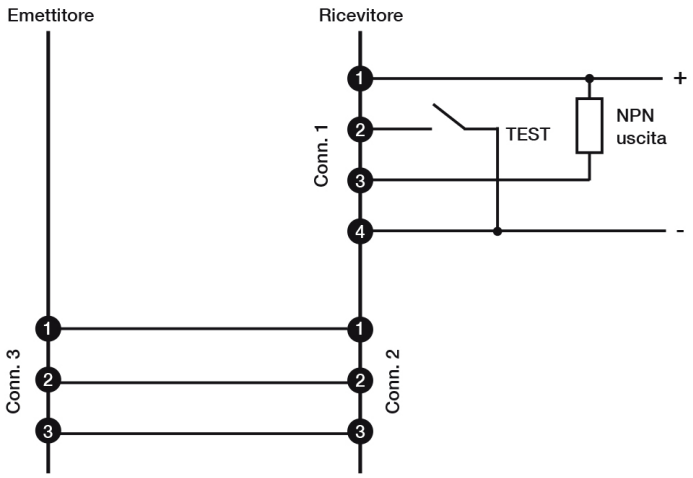
Degree of protection	Not defined

Generical Data

Dimensions	157x36x18
Operating Temperature	0°C…+ 55° C (without freeze)
Mechanical Protection	Not defined

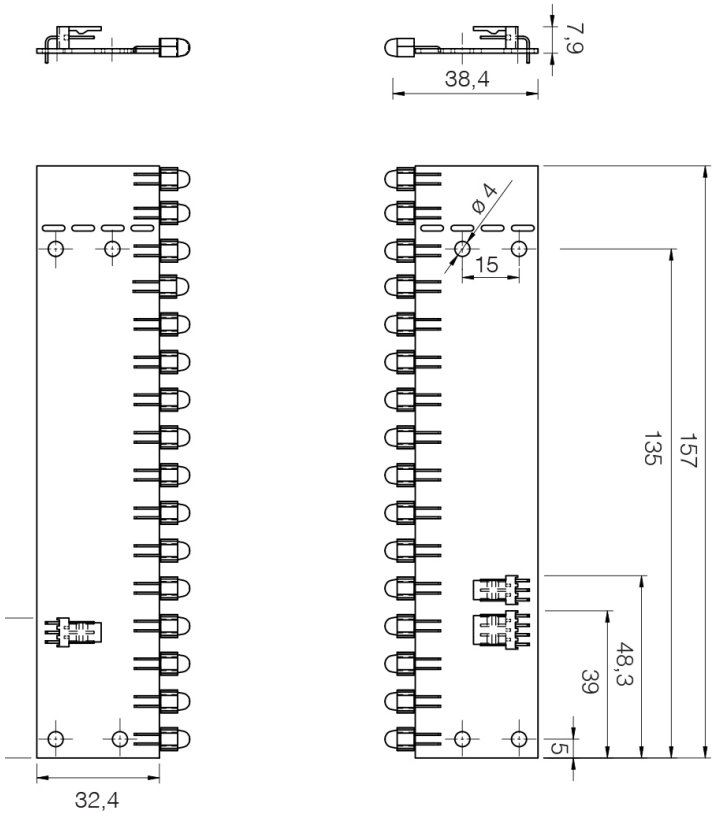
CONNECTIONS

Eletrical diagram



OTHERS

Dimensions



Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of printing
04/11/2026
10:46:51