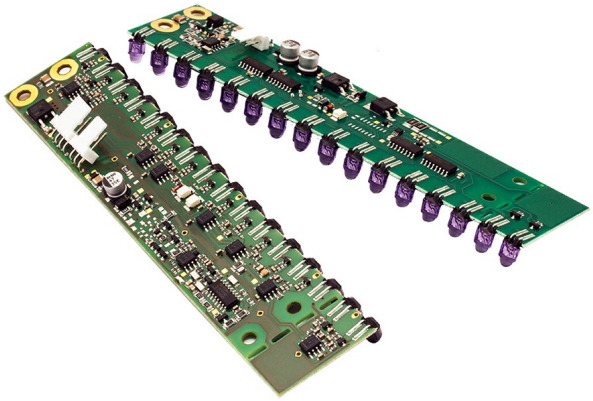
# NX16SR/XCN-A010

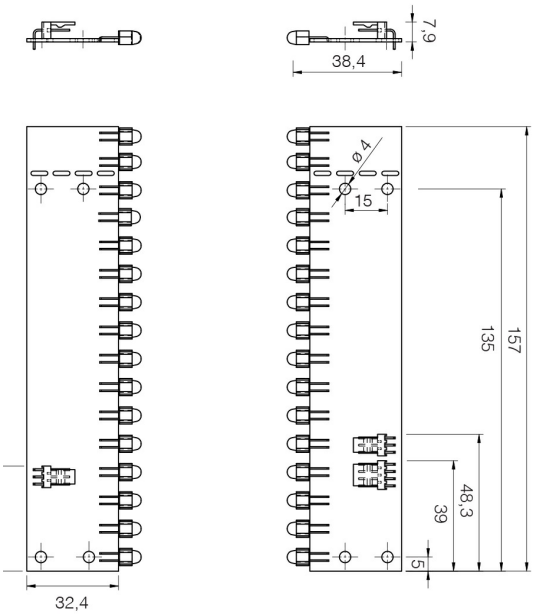
NX



Indicative image

## MEDIUM RESOLUTION AREA SENSORS WITHOUT HOUSING

- 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




### 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 (supply 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) |

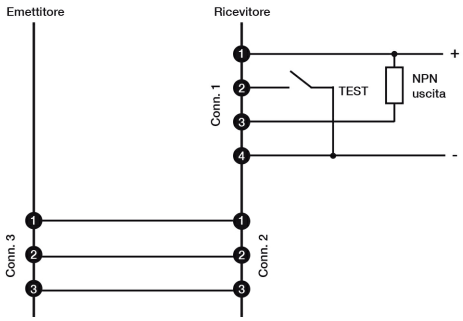
### Test/Approvals

| | |
|---|---|
| Degree of protection | Not defined |

### Generical Data

| | |
|---|---|
| Dimensions | 157 x 36 x 18mm |
| Operating Temperature | 0°C...+ 55° C (without freeze) |
| Mechanical Protection | Not defined |

## ELECTRICAL DIAGRAMS OF THE CONNECTIONS




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