



BX04-BX10

BX10R/CD-ABVE80

Area Sen, H=90mm-10mm pitch,Receiver

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,3 ... 2m
Thermal drift of Sr	≤10%
Beams space	10mm
controlled height	90mm
minimum detectable object	Ø 5mm
number of rays	10

Application

Function Principle	Receiver
--------------------	----------

Outputs

Output type	NPN + PNP

Output Function	NC
Switching frequency	180Hz
Resposnse time for light/dark transition	500μs
Resposnse time for dark/light transition	5ms

Electrical data	
Operating Voltage	10...26VDC
No-Load supply current	50mA
Load current	≤100mA
Leakage current	10μA
Output voltage drop	≤2V Iload = 100mA
Max ripple content	≤ 10%
LED indicators	Yellow (output state) Red (alineament)
Time delay before availability	≤ 85ms
Short-circuit protection	autoreset
Reverse Polarity Protection	Yes
Interference to external light	1000lux (incandescent lamp), 1500lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data	
Housing material	PBT

Weight	140g
--------	------

Connections	cable PVC 200mm + M12 Plug
-------------	----------------------------

Active Head Material	PC
----------------------	----

Tightening torque	25Nm
-------------------	------

Test/Approvals

Approvals	CE
-----------	----

EMC compatibility	EN 60947-5-2
-------------------	--------------

Accessories

Supplied Accessories	2 nuts M18x1 - 1 adjustment key - 1 90°angled brackets
----------------------	--

Generical Data

Dimensions	45x145x20
------------	-----------

Operating Temperature	0°C...+ 50° C (without freeze)
-----------------------	--------------------------------

Mechanical Protection	IP67
-----------------------	------

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**
10/08/2026
01:23:15