MATRIX FRAME SENSOR

45 x 45 mm sensing window | Falling-object detection

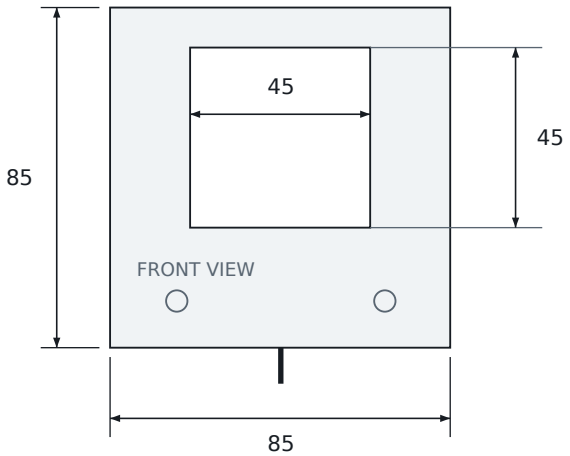


45 x 45 mm / PNP NO / 10-40 VDC

01 TECHNICAL DATA

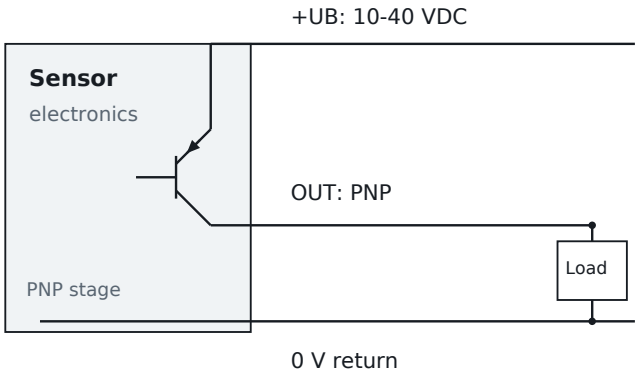
Sensor type	Matrix frame sensor
Sensing window	45 x 45 mm
Outer size (L x B)	85 x 85 mm
Supply voltage	10-40 VDC
Output configuration	PNP sourcing
Switching function	Normally open (NO)
Detectable target	Opaque small objects
Connection	Pre-wired cable
Application	Falling-object detection

02 BODY DIMENSIONS



Dimensions in mm. Cable excluded. Outline schematic.

03 PNP NO OUTPUT CIRCUIT



Connect the load / PLC input between OUT and 0 V. The output supplies positive voltage when an object is detected.

04 SWITCHING OPERATION

Object in sensing window	Output state	Load / PLC input
Absent	OFF	Inactive
Detected	ON	Active

INSTALLATION

For gravity-fed parts, mount the frame horizontally so objects pass through the clear window. Keep the inner surfaces clean. Space objects for individual detection and verify operation with the actual nuts or capsules.