

## NC50-CP80-VP4X2-H1141

Industrial automation components

<b>Manufacturer</b>	Turck
<b>Catalog number</b>	nc50-cp80-vp4x2-h1141
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	0.45 kgs
<b>Voltage</b>	10 - 65 V
<b>Product Type</b>	Sensor
<b>Signal Type</b>	65
<b>Signal Level</b>	65 V

### Description

The Turck NC50-CP80-VP4X2-H1141 is a capacitive proximity sensor designed for non-contact detection of both conductive and non-conductive materials. This sensor features a rectangular housing measuring 80 x 80 x 40.5 mm, with an active face positioned on the top. Constructed from PBT-GF30-V0 plastic, it offers durability and resistance to environmental factors. The sensor operates with a DC 4-wire configuration, supporting a voltage range of 10 to 65 VDC, and provides a complementary contact with a PNP output. It is equipped with an M12 x 1 male connector for easy integration into existing systems. The sensor's rated switching distance is 50 mm, with a secured operating distance of up to 36 mm, and it boasts a repeat accuracy of  $\leq 2\%$  of full scale. Designed to function in ambient temperatures ranging from  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ , it is housed in an IP67-rated enclosure, ensuring protection against dust and water ingress. The sensor also features short-circuit protection and is reverse polarity protected, enhancing its reliability in various industrial applications.