

## General information

### Inductive and capacitive proximity sensors

### Catalog number explanation



10

**SI**   **F2**   **M12N**   **V2**   **AO**

#### Sensor class

**SI** = Inductive proximity  
**SC** = Capacitive proximity

#### Mounting

**F** = Flush (shielded)  
**N** = Non flush (non-shielded)

#### Sensing range

Distance in mm

#### Housings

**Z** = Cylindric      4, 6mm diameter  
**M** = Metric thread   8, 12, 18, 30mm diameter  
**Q** = Square block   30, 40, 80mm sensing face  
**B** = Block            28, 45mm  
**N** = Normal case  
**S** = Short case  
**T** = other short case  
**U** = NPT thread  
**W** = Weld field immune  
**E** = Stainless steel

#### Outputs

**PO** = 24VDC, 3 wire PNP, Normally Open  
**PC** = 24VDC, 3 wire PNP, Normally Closed  
**PK** = 24VDC, 4 wire PNP, K – NO/NC  
**NO** = 24VDC, 3 wire NPN, Normally Open  
**NK** = 24VDC, 4 wire NPN, K – NO/NC  
**DO** = 24VDC, 2 wire, Normally Open  
**AO** = 20 – 250VAC, 2 wire, Normally Open  
**AC** = 20 – 250VAC, 2 wire, Normally Closed  
**AK** = 20 – 250VAC, 4 wire, K – NO/NC

#### Connection

**V2** = cable PVC insulated, length 2m  
**U2** = cable PUR insulated, length 2m  
**C1** = Connector M12, Micro style, 3, 4 or 5 poles  
**C2** = Connector 1/2" – 20, Micro style, 3 poles AC  
**C8** = Connector M8, Nano style, 3 poles, standard  
**C7** = Connector 7/8"x16, Mini style  
**T** = Terminals