# 440NZ21US2AN9

**Allen-Bradley 440N SensaGuard Rectr Plastic Sensor w/Act 2PNP Sfty 1PNP Aux 2A Mar Ind Fixed Mag 3m**

NON-CONTACT INTERLOCKS




| | |
|---|---|
| **Component type** | Magnetic proximity switch |
| **Range** | 440N SensaGuard |
| **Model** | N/A |
| **Product status** | Existing |

The Allen-Bradley Sensaguard Non-Contact switches feature RFID technology for coding, inductive technology for sensing and combine a large sensing range with optimal operation and a generous tolerance to misalignment. An ideal cost-effective solution that is suited to a wide range of safety applications and is intended for use with all types of guard doors.

| | | |
|---|---|---|
| **ELECTRICAL** | Type of actuation | Magnet |
| | Switching distance | 18 mm |
| | Number of safety outputs | 2 |
| | Type of safety output | PNP |
| | Type of switching output | PNP |
| | Type of electric connection | Cable |
| **CONSTRUCTION** | Construction type housing | Cuboid |
| | Material housing | Other |
| | IP rating | IP69K |
| **MECHANICAL** | With status indication | Yes |
| **ENVIRONMENT** | Ambient temperature | -10…55 °C |



Published on 10 September 2026

## DIMENSIONAL DIAGRAM

Figure 1 - Actuator [mm (in.)]

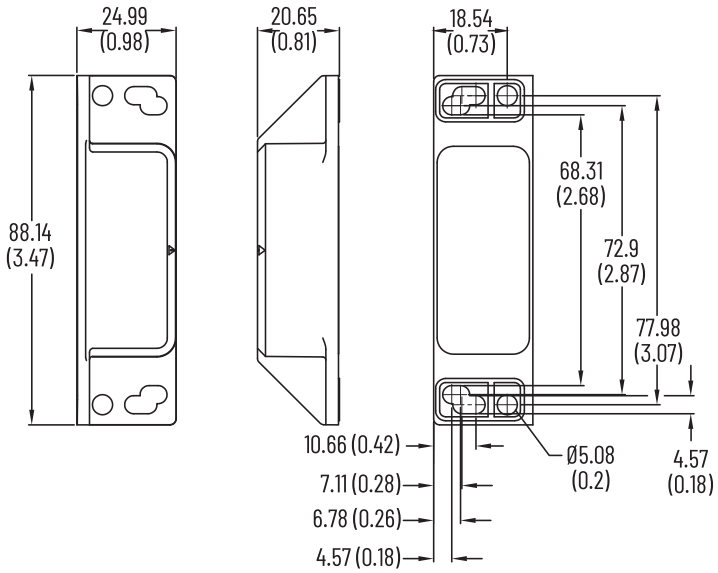
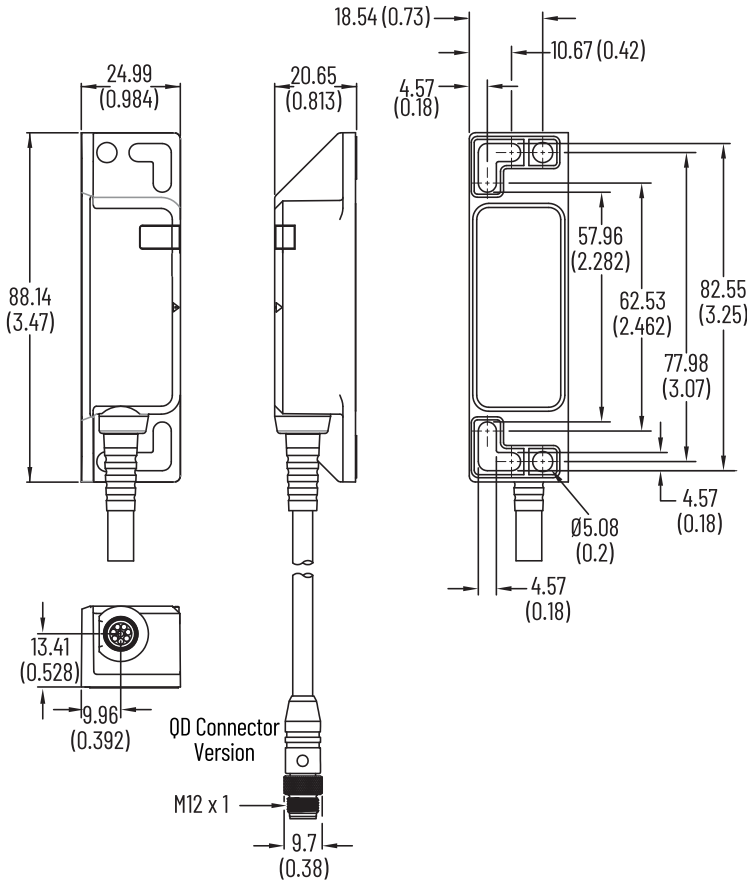



Figure 2 - Sensor Dimensions [mm (in.)]



## RELATED PRODUCTS

### ACCESSORY



**Item No:** 440CCR3022BBB

**Required:** No

**Description:** Allen-Bradley 440C CR30 Guardmaster Software Configurable Safety Relay 22 I/O



**Item No:** 440NZ18PTB

**Required:** No

**Description:** Allen-Bradley 440N SensaGuard 18mm Plastic Standard Actuator Series B



**Item No:** 440RD22R2

**Required:** No

**Description:** AB 440R GSR DI Safety Relay Dual Input 24VDC 1NC/2NC/OSSD-IN 2NO-SFTY-OUT 1SS-AUX



**Item No:** 440RS12R2

**Required:** No

**Description:** AB 440R GSR SI Safety Relay Single Input 24VDC 2NC OSSD 2NO 1 Solid State Auxiliary Output



**Item No:** 440SSF5D

**Required:** No

**Description:** Allen-Bradley 440S Guardlink ENABLED TAP 5PIN OSSD OUPUT SIGNAL SWITCHING PTR



**Item No:** 440SSF8D

**Required:** No

**Description:** Allen-Bradley 440S Guardlink ENABLED TAP 8PIN OSSD OUPUT SIGNAL SWITCHING PTR



**Item No:** 602649

**Required:** No

**Description:** Allen-Bradley Photoelectric Sensor Swivel or Tilt Mounting Bracket for 42EF



**Item No:** 871ABP18

**Required:** No

**Description:** Allen-Bradley 871 Inductive Proximity Sensor Mounting Bracket Clamp Plastic Harsh Environment 18mm



**Item No:** 871ABRS18

**Required:** No

**Description:** Allen-Bradley 871 Inductive Proximity Sensor Mounting Bracket Right Angle Stainless 18mm



**Item No:** 871ASCBP18

**Required:** No

**Description:** Allen-Bradley 871 Proximity Sensor Mounting Bracket Snap Clamp 18mm



**Item No:** 889DF4NE15

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 15m



**Item No:** 889DF4NE2

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 2m



**Item No:** 889DF4NE20

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 20m



**Item No:** 889DF4NE30

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 30m

**Item No:** 889DF4NE5

**Required:** No

**Description:** Allen-Bradley 889D Cable PVC Red 4 Pin 18AWG DC Micro Female 5m



**Item No:** 889DF4NEDM0M3

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 0.3m



**Item No:** 889DF4NEDM0M6

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 0.6m

## RELATED PRODUCTS

### ACCESSORY



**Item No:** 889DF4NEDM1

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 1m

**Item No:** 889DF4NEDM10

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 10m



**Item No:** 889DF4NEDM15

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 150m



**Item No:** 889DF4NEDM2

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 2m



**Item No:** 889DF4NEDM20

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 20m



**Item No:** 889DF4NEDM3

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 3m



**Item No:** 889DF4NEDM30

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 30m



**Item No:** 889DF4NEDM5

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 5m



**Item No:** 889DF4NEDM99

**Required:** No

**Description:** Allen-Bradley 889 Cable PVC Red 4pin 18Awg Dc Micro M Dc Micro F 99M



**Item No:** 889DF8AB10

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 10m



**Item No:** 889DF8AB15

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 15m



**Item No:** 889DF8AB2

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 2m



**Item No:** 889DF8AB20

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 20m



**Item No:** 889DF8AB30

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 30m



**Item No:** 889DF8AB5

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 5m



**Item No:** 889DF8ABDM1

**Required:** No

**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 1m

## RELATED PRODUCTS

### ACCESSORY



**Item No:** 889DF8ABDM10
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 10m



**Item No:** 889DF8ABDM15
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 15m



**Item No:** 889DF8ABDM2
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 2m



**Item No:** 889DF8ABDM20
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 20m



**Item No:** 889DF8ABDM3
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 3m



**Item No:** 889DF8ABDM30
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 30m



**Item No:** 889DF8ABDM4
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 4m



**Item No:** 889DF8ABDM5
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 5m



**Item No:** 889DF8ABDM8
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 8m



**Item No:** 889DF8ABDMOM3
**Required:** No
**Description:** AB 889D Cordset PVC Black 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 0.3m



**Item No:** 889DF8NBDM0M3
**Required:** No
**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.2m



**Item No:** 889DF8NBDM0M6
**Required:** No
**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.6m



**Item No:** 889DF8NBDM1
**Required:** No
**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 1m



**Item No:** 889DF8NBDM10
**Required:** No
**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 10m



**Item No:** 889DF8NBDM2
**Required:** No
**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 2m



**Item No:** 889DF8NBDM20
**Required:** No
**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 20m

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**Item No:** 889DF8NBDM30

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 30m



**Item No:** 889DF8NBDM5

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 5m