



## Main

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Range of product              | Hyde Park                                            |
| Sensor type                   | Ultrasonic sensor                                    |
| Series name                   | Superprox 900                                        |
| Device short name             | SM900                                                |
| Sensor design                 | Cylindrical M30                                      |
| [Sn] nominal sensing distance | 6.56 ft (2 m)                                        |
| Type of sensing window        | Adjustable                                           |
| Material                      | Plastic                                              |
| Enclosure material            | ULTEM                                                |
| Front material                | Silicone rubber                                      |
| Type of output signal         | Discrete                                             |
| Discrete output function      | 1 NO                                                 |
| ISO thread                    | M30 x 1.5                                            |
| Wiring technique              | 4-wire                                               |
| [Us] rated supply voltage     | 12...24 V DC (overload and short-circuit protection) |
| Supply voltage limits         | 10...28 V DC                                         |
| Discrete output type          | PNP/NPN                                              |
| Electrical connection         | Cable 9.84 ft (3 m)                                  |
| Product specific application  | -                                                    |

## Complementary

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| [Sd] sensing range                    | 0.39...6.56 ft (0.12...2 m)                              |
| [Sa] assured operating distance       | 0.39...6.56 ft (0.12...2 m) with teach push-button       |
| Maximum differential travel           | 0.1 in (2.5 mm)                                          |
| Blind zone                            | 0...4.72 in (0...120 mm)                                 |
| Transmission frequency                | 200 kHz                                                  |
| Repeat accuracy                       | 0.87 %                                                   |
| Minimum size of detected object       | Cylinder diameter 1.6 mm - up to 305 mm sensing distance |
| Current consumption                   | 100 mA                                                   |
| Maximum switching current             | 100 mA (reverse polarity protection)                     |
| Resistance to electrostatic discharge | 8 kV (level 4) conforming to IEC 61000-4-2               |
| Height                                | 1.18 in (30 mm)                                          |
| Width                                 | 1.37 in (34.7 mm)                                        |
| Depth                                 | 1.18 in (30 mm)                                          |
| Length                                | 3.74 in (95 mm)                                          |
| Product weight                        | 1.32 lb(US) (0.6 kg)                                     |

## Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| product certifications                | UL                                                     |
| marking                               | CE                                                     |
| NEMA degree of protection             | NEMA 4X (indoor use only)                              |
| IP degree of protection               | IP67                                                   |
| ambient air temperature for operation | 32...122 °F (0...50 °C)                                |
| ambient air temperature for storage   | -4...176 °F (-20...80 °C)                              |
| relative humidity                     | 100 % without condensation                             |
| vibration resistance                  | +/-1 mm conforming to IEC 60068-2-6 10...55 Hz         |
| shock resistance                      | 30 gn in all 3 axes 11 ms conforming to IEC 60068-2-27 |

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|                                      |                                                          |
|--------------------------------------|----------------------------------------------------------|
| resistance to electromagnetic fields | 9.14 V/yd (10 V/m) (level 3) conforming to IEC 61000-4-3 |
| resistance to fast transients        | 1 kV (level 3) conforming to IEC 61000-4-4               |

## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 1150 - Schneider Electric declaration of conformity                                                      | Compliant - since 1150 - Schneider Electric declaration of conformity                                                      |
| Reference contains SVHC above the threshold - go to CaP for more details                                                   | Reference contains SVHC above the threshold                                                                                |
| Available                                                                                                                  | Available                                                                                                                  |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|



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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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