

**Main**

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Superprox 300
Device short name	SM380
Sensor design	Cylindrical M12
[Sn] nominal sensing distance	25.4 mm
Type of sensing window	Fixed
Material	Plastic
Enclosure material	ULTEM
Front material	Glass epoxy
Type of output signal	Discrete
Discrete output function	1 NO
ISO thread	M12 x 1
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	Remote male connector M12 4 pins 152 mm
Product specific application	Discrete proximity

**Complementary**

[Sd] sensing range	6.4 mm...25.4 m
Maximum differential travel	0.7 mm
Blind zone	6.4 mm
Transmission frequency	500 kHz
Repeat accuracy	0.7 %
Beam angle	8 °
Minimum size of detected object	Cylinder diameter 2.5 mm - up to 1 mm sensing distance
Current consumption	25 mA
Maximum switching current	100 mA (reverse polarity protection)
Height	12 mm
Width	12 mm
Depth	12 mm
Length	58.16 mm
Product weight	0.011 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	-30...70 °C
Ambient air temperature for storage	-40...100 °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 for 11 ms conforming to IEC 60068-2-27

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Resistance to electromagnetic fields

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