SM650A50800RF

Hyde Park, Ultrasonic sensor, discrete, 18 mm barrel, 12 24 V DC



Main

Range of Product	Hyde Park
Sensor Type	Ultrasonic sensor
Series name	Superprox 600
Device short name	SM650
Sensor design	Cylindrical M18
Type of sensing window	Fixed
Material	Plastic
Enclosure Material	ULTEM
Front material	Silicone rubber
Type of output signal	Discrete
Discrete output function	1 NO
ISO thread	M18 x 1
Wiring Technique	4-wire
[Us] rated supply voltage	1224 V DC overload and short-circuit protection
Supply voltage limits	1028 V DC
Discrete output type	PNP/NPN
Electrical connection	Male connector M12 4 pins
Product Specific Application	Discrete proximity

Complementary

Complementary		
[Sn] nominal sensing distance	5.00 in (127 mm)	
[Sd] sensing range	4.495.00 in (114127 mm)	
Maximum differential travel	0.01 in (0.35 mm)	
Blind zone	0.75 in (19 mm)	
Transmission frequency	500 kHz	
Repeat accuracy	0.07 %	
Beam angle	7 °	
Minimum size of detected object	Cylinder diameter 1.59 mm - up to 63.5 mm sensing distance	
Current Consumption	60 mA	
Maximum switching current	100 mA reverse polarity protection	
Height	0.71 in (18 mm)	
Width	0.71 in (18 mm)	
Depth	0.71 in (18 mm)	
Length	2.91 in (73.91 mm)	
Net Weight	0.07 lb(US) (0.033 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	32140 °F (060 °C)
Ambient Air Temperature for Storage	-40212 °F (-40100 °C)
Relative humidity	100 % without condensation
Vibration resistance	+/-1 mm 1055 Hz)IEC 60068-2-6

Resistance to electromagnetic fields 9.14 V/m (10 V/m) level 3 IEC 61000-4-3 Resistance to fast transients 1 kV level 3 IEC 61000-4-4 1 kV level 3 IEC 61000-4-4 22490-SENSORS-ULTRASONIC (XX5.6) Discount Schedule DS2 STIN 3389119104265 Sibr. of units in pkg. 1 208 oz (58.967 g) Returnability No Country of origin US 208 oz (58.967 g) PCE 209 oz (58.967 g) PCE 200 oz (58.967 g) PCE 200 oz (58.967 g) PCE 201 oz (58.967 g) PCE 202 oz (58.967 g) PCE 203 oz (58.967 g) PCE 204 oz (58.967 g) PCE 205 oz (58.967 g) PCE 206 oz (58.967 g) PCE 207 oz (58.967 g) PCE 208 oz (58.967 g) PCE 208 oz (58.967 g) PCE 208 oz (58.967 g) PCE 209 oz (58.967 g) PCE 200 oz (58.967 g) PCE 201 oz (68.96 oz (68.			
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ELL PoHS Directive Not applicable, out of ELL PoHS local scope	REACh Regulation	REACh Declaration	
Not applicable, but of EO Not is legal scope	EU RoHS Directive	Not applicable, out of EU RoHS legal scope	

Contractual	warranty
Continuotual	· wananity

Warranty	19 months	
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