ESE22 Detector Switches

Type: **ESE22**



- Features
- Can be operated with different actuation angles (horizontally and vertically)
- Reflow soldering
- Light operating force

■ Recommended Applications

• Detection of media in portable electronic equipment

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9
E	S	E	2	2				
Product Code			Туре		Style		Design No.	

■ Specifications

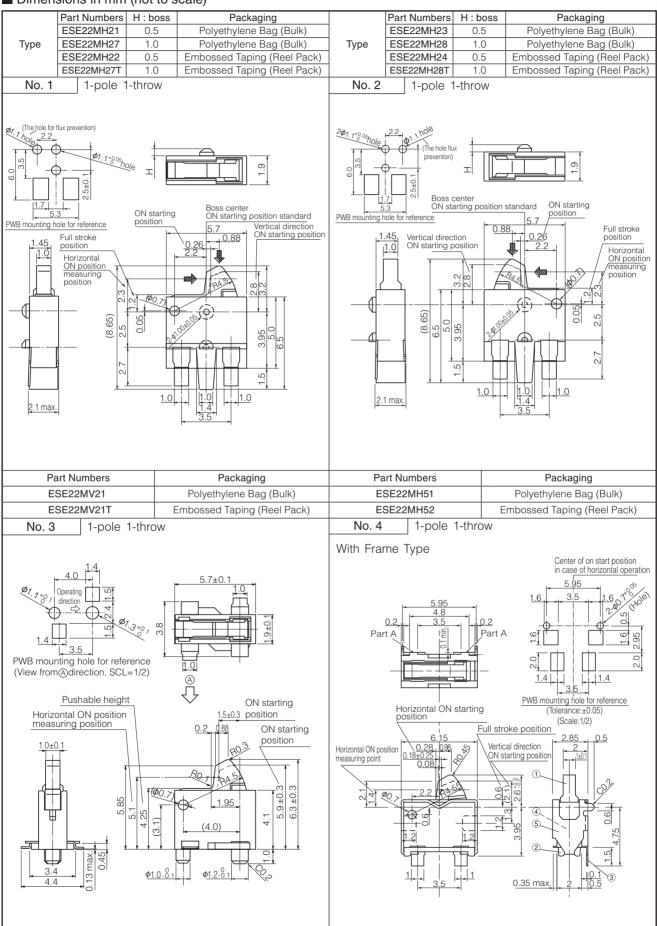
Rating	50 μA 3 V DC to 10 mA 5 V DC (Resistive load)					
Contact Resistance	$500 \text{ m}\Omega$ max. (Initial)					
Insulation Resistance	100 MΩ min. (at 100 V DC for 1 minute)					
Dielectric Withstanding Voltage	100 V AC (50 Hz or 60 Hz) for 1 minute					
Operating Force	290 mN max.					
Mounting Height	· ESE22MV Type 4.1 mm · ESE22MH Type 2.1 mm · ESE22MH Type with Frame 2.85 mm					
Poles and Throws	1-pole 1-throw					
Full Travel (Pushing distance)	· ESE22MV Type 4.25 mm(2.05 mm) · ESE22MH Type 1.2 mm(2.0 mm) · ESE22MH Type with Frame 0.6 mm(2.0 mm)					
Operating Life	50,000 cycles min.					
Temperature Range	-10 °C to +70 °C (Standard), -40 °C to +85 °C (Automotive)					
Heat Resistance	+80 °C for 96 hours					
Low Temperature Resistance	-25 °C for 96 hours					
Humidity Resistance	+40 °C 90 % to 95 % RH for 96 hours					
	500 pcs. Polyethylene Bag (Bulk)					
Minimum Quantity/Packing Unit	· ESE22MV Type 1,000 pcs. Embossed Taping (Reel Pack) · ESE22MH Type with Frame 3,000 pcs. Embossed Taping (Reel Pack) · ESE22MH Type 4,000 pcs. Embossed Taping (Reel Pack)					
	10,000 pcs. Polyethylene Bag (Bulk)					
Quantity/Carton	· ESE22MV Type 6,000 pcs. Embossed Taping (Reel Pack) · ESE22MH Type with Frame 18,000 pcs. Embossed Taping (Reel Pack) · ESE22MH Type 24,000 pcs. Embossed Taping (Reel Pack)					

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

-1-

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Dimensions in mm (not to scale)

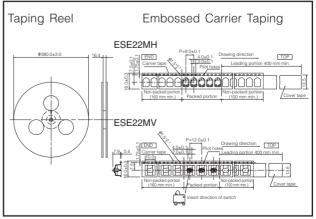


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■ Dimensions in mm (not to scale)

Dimensions in mm (not	<u>, </u>	Dest Marie		Dealer with w		
Part Numbers	Packaging	Part Numbers		Packaging		
ESE22MH53	Polyethylene Bag (Bulk) Embossed Taping (Reel Pack)	ESE22MH57		Polyethylene Bag (Bulk)		
ESE22MH54 No. 5 1-pole 1-thro With Frame Type 5.95 4.8 3.5 Part A	No. 6 1-pole 1-throw Solder lug Type 5.95 4.8 3.5 0.2 Part A					
Full stroke position 6.15	prizontal ON starting sition 2.85 0.5 2 1±0.1 Horizontal ON position measuring point 0.35 max. 2 0.5 3	pos	zontal on starting tion 6.15 0.28 0.08 2.2 2.2 4.5	Full stroke position Vertical direction ON starting position 1±0.1 90 1±0.1 Part A Part A Part A 0 0 0 0 0 0 0 0 0 0 0 0 0		
Part Numbers	Packaging					
ESE22MH58	Polyethylene Bag (Bulk)	■ Circuit Diag	ram			
No. 7 1-pole 1-thro	DW	1-pole 1-throw (N.O)				
Solder lug Type 5.95 4.8 3.5 Part A	0.2 Part A	Content of the second of the	ommon common © common	ons sions in mm (not to scale)		
vertical direction	Horizontal operation ON starting position	Taping Reel		Embossed Carrier Taping		



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Horizontal ON position measuring point

Mouser Electronics

Authorized Distributor

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<u>ESE-22MV1</u> <u>ESE-22MV21</u> <u>ESE-22MH22</u> <u>ESE-22MH24</u> <u>ESE-22MH27</u> <u>ESE-22MH27</u> <u>ESE-22MH27</u> <u>ESE-22MH28</u> <u>ESE-22MH28</u> <u>ESE-22MH58</u> <u>ESE-22MH58</u> <u>ESE-22MH59</u> <u>ESE-22MH51</u>