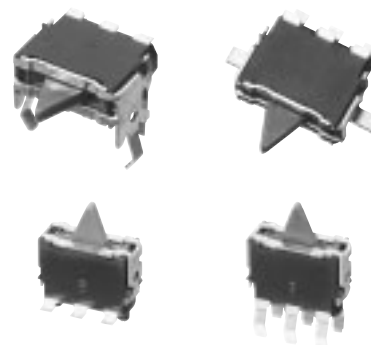


2W Detector Switches

Type: **ESE24**

Bidirectional operation, auto-return to midpoint type.



■ Features

- A lever-type detector switch with high reliability using sliding mechanical contacts
- Long over-travel (through-operation available)
- Used as an operation switch (an input device)

■ Recommended Applications

- Detection of media in portable electronic equipment (CD-ROM, DVD, Digital still cameras, etc.)
- Operating switches for other electronic equipment.

■ Explanation of Part Number

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

6th & 7th	Mounting Method & Style
SV	Vertical type for wave soldering
SH	Horizontal type for wave soldering
MV	Vertical type for reflow soldering
MH	Horizontal type for reflow soldering

■ Specifications

Rating		50 μ A 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance		500 m Ω max. (Initial)
Insulation Resistance		100 M Ω min. (100 Vdc)
Dielectric Withstanding Voltage		100 Vac for 1 minute
Operating Force		350 mN max.
Mounting Height		· Type SV 5.6 mm · Type SH 4.65 mm · Type MV 5.6 mm · Type MH 3.0 mm
Poles and Throws		1-pole 2-throws (OFF at midpoint)
Full Travel (Pushing distance)		· Type SV 6.1 mm (2.45 mm) · Type SH 2.6 mm (2.45 mm) · Type MV 6.1 mm (2.45 mm) · Type MH 1.4 mm (2.45 mm)
Operating Life		50000 cycles min.
Temperature Range		-10 °C to +70 °C
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
Minimum Quantity/Packing Unit	ESE24MH, MV, SV, SH	200 pcs. Polyethylene Bag (Bulk) ^{*1}
	ESE24MH□T	1000 pcs. Embossed Taping (Reel Pack) ^{*2}
	ESE24MV□T	500 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	ESE24MH, MV, SV, SH	10000 pcs. Polyethylene Bag (Bulk)
	ESE24MH□T	6000 pcs. Embossed Taping (Reel Pack)
	ESE24MV□T	3000 pcs. Embossed Taping (Reel Pack)

^{*1} ESE24SH type: 160 pcs. (Polyethylene Bag), 8000 pcs. (Reel Pack)

^{*2} ESE24SV, ESE24SH are excluded

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.

00 Oct. 2012

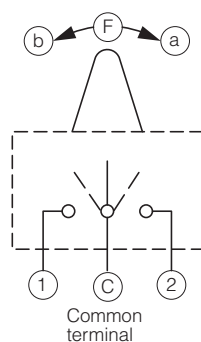
■ Dimensions in mm (not to scale)

No. 1 ESE24SV3 Vertical type for wave soldering 1-pole 2-throws Top view dimensions: 7.5, 4.3, 2.7, 2.5, 2.5, 2.90, 6-$\phi 1.10^{+0.05}_0$. Side view dimensions: 7.05 to 7.55 (Pushing position), 4.45 (Rotative center), 7.5, 4.3, 2.7, 2.9, 1.0, 3.0, 1.0, 2.7, 0.3, 2.9, 3.8. Front view dimensions: 68°/26°, 29°/24°, 5.6, 0.2, 8.05 (ON starting position), 8.55, 6.1 (Full position), 2.5, 2.5, 1.0. PWB mounting hole for reference (Pitch tolerance: ± 0.05) (PWB thickness=0.8)	No. 2 ESE24SH1 Horizontal type for wave soldering 1-pole 2-throws Top view dimensions: 8.4, 7.25, 2.5, 2.5, 1.6, 2.55, 2.75, 2.50, 2.50, 7.16, 2-$\phi 1.20^{+0.05}_0$, 3-$\phi 1.10^{+0.05}_0$. Side view dimensions: 3.55 to 4.05 (Pushing position), 0.95 (Rotative center), 7.5, 4.3, 2.7, 2.9, 1.0, 3.0, 1.0, 2.7, 0.3, 2.9, 3.5. Front view dimensions: 68°/26°, 29°/24°, 5.6, 0.2, 8.05 (ON starting position), 8.55, 6.1 (Full position), 2.5, 2.5, 1.0. PWB mounting hole for reference (Pitch tolerance: ± 0.05) (PWB thickness=0.8)
No. 3 ESE24MV1 Vertical type for reflow soldering 1-pole 2-throws ESE24MV1T (Embossed Taping) Top view dimensions: 5.50, 3.60, 5.80, 2.50, 2.50, 6-1.40, 2-$\phi 1.10^{+0.05}_0$. Side view dimensions: 7.05 to 7.55 (Pushing position), 4.45 (Rotative center), 7.5, 4.3, 2.7, 2.9, 1.0, 3.0, 1.0, 2.7, 0.3, 2.9, 5.4. Front view dimensions: 68°/26°, 29°/24°, 5.6, 0.2, 8.05 (ON starting position), 8.55, 6.1 (Full position), 2.5, 2.5, 1.0. PWB mounting hole for reference (Tolerance: ± 0.05)	No. 4 ESE24MH1 Horizontal type for reflow soldering 1-pole 2-throws ESE24MH1T (Embossed Taping) Top view dimensions: 0.25, 7.25, 0.25, 2.00, 7.50, 2.00, 1.60, 7.25, 2-$\phi 0.70$ (hole), 1.60, 4.50, 2.20, 2.50, 2.50, 3-1.40. Side view dimensions: 0.25 (Rotative center), 2.35 to 2.85 (Pushing position), 1.5, 7.5, 1.5, 4.3, 2.7, 2.9, 1.0, 3.0, 1.0, 2.7, 0.3, 2.9, 1.4 (Full position), 3.35 (ON starting position), 1.6, 3.85, 4.7, 1.5, 0.1. Front view dimensions: 68°/26°, 29°/24°, 5.6, 0.2, 8.05 (ON starting position), 8.55, 6.1 (Full position), 2.5, 2.5, 1.0. PWB mounting hole for reference (Tolerance: ± 0.05) Positioning boss

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.

Circuit Diagram

1-pole 2-throws (N . O)

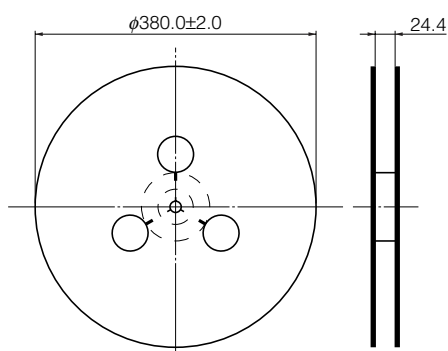


Terminal No. Lever position	①	③	②
①			
③			
②			

Packaging Specifications

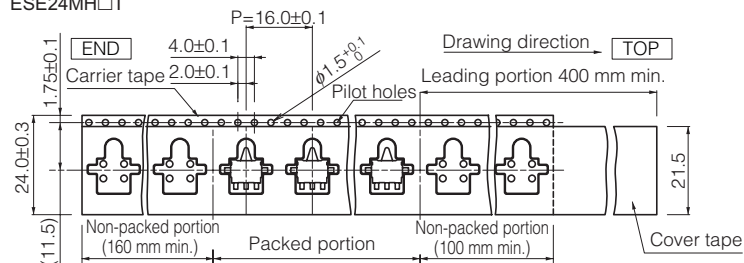
Standard Reel Dimensions in mm (not to scale)

Taping Reel

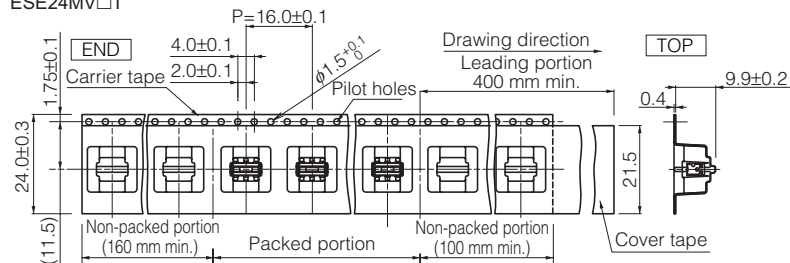


Embossed Carrier Taping

ESE24MH□T



ESE24MV□T



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com