

# EJECTOR PLATE RETURN DETECTION SWITCHES

☎ Non JIS material definition is listed on P.1351 - 1352

**①** **RoHS**

**① V-156-1A5-T** (Microswitch: Hinged roller lever)

PT  
OP  
34.0±0.8  
t=0.5\*  
8.1  
φ 3.1<sup>+0.13</sup><sub>-0.03</sub> hole  
φ 4.8×4.8 \*\* 5.1  
15.9  
18.8  
3.1<sup>+0.13</sup><sub>-0.03</sub>  
3.4±0.15  
22.2±0.1  
2.8  
3-#187 (t0.5)  
Soldering terminal (also used as a tab)  
10.3  
37.8±0.8  
10.3

\* Stainless steel lever  
\* Oil-free type polyacetal resin roller

**②**

**② EGS-ANGLE** (L-angle plate)

5.5  
20.0  
12.0  
6.5  
12.0  
25.0  
8.5  
2.0  
15.0

**③**

**③ EGS-BOARD** (Heat insulation plate)

2-φ 4.5  
5.0  
20.0  
10  
15.0  
5.0  
(22)  
32.0

**④** **RoHS**

**④ V-15-1A5-T** (Microswitch: Push button)

PT  
OP  
2.8  
20.2±0.25  
3.1<sup>+0.13</sup><sub>-0.03</sub> hole  
2.8  
15.9  
18.8  
3.1<sup>+0.13</sup><sub>-0.03</sub>  
3.4±0.15  
22.2±0.1  
2.8  
3-#187 (t0.5)  
Soldering terminal (also used as a tab)  
10.3  
37.8±0.8  
4.2  
5.1

**⑤**

**⑤ EGS-AV** (L-angle plate for push button type microswitch)

φ 5.5  
6.5  
9  
6  
20.0  
12.0  
10.3  
15  
10  
20.0  
2.0  
5.5  
15.5  
2-M3

**③**

**③ EGS-BOARD** (Heat insulation plate)

2-φ 4.5  
5.0  
20.0  
10  
15.0  
5.0  
(22)  
32.0

**① Microswitch (hinged roller lever type)**  
Manufactured by Omron

- Force needed to start 125gf
- Minimum return force 14gf
- Maximum movement till starting PT 4.0mm
- Minimum movement after starting 1.6mm
- Maximum differential motion 1.5mm
- Operation point OP 20.7±1.2mm

Standard

- Rated voltage: 250V • Rated current: 15A
- Heat resistance: up to 150°C

② **M** Steel Plate (SPCC)  
③ **M** Bakelite (black)

**④ Microswitch (push button type)**  
Manufactured by Omron

- Force needed to start 200gf
- Minimum return force 50gf
- Maximum movement till starting PT 1.2mm
- Minimum movement after starting 1.0mm
- Maximum differential motion 0.4mm
- Operation point OP 14.7±0.4mm

Standard

- Rated voltage: 250V • Rated current: 15A
- Heat resistance: up to 150°C

⑤ **M** SPCC  
④ **A** CB3-20 (1 pc.)  
M3 nut (2 pcs.)  
③ **M** Bakelite (black)

Part No.	Part Number	U/Price			
		1~9	10~19	20~49	50~100
Set of ①②③	<b>EGS</b> (incl. 2 pcs. of CB5-15)				
Set of ④⑤③	<b>EGS-V</b> (incl. 2 pcs. of CB5-15)				
Switch ①	<b>V-156-1A5-T</b>				
L-angle plate ②	<b>EGS-ANGLE</b>				
Heat insulation plate ③	<b>EGS-BOARD</b>				
Switch ④	<b>V-15-1A5-T</b>				
L-angle plate ⑤	<b>EGS-AV</b>				

**Quotation**



Order

Part Number  
**EGS-V**



Days to Ship

**Quotation**

☎ CB5-15 is included only in the set products.



Example • Examples of bolt hole boring on a mold base

Bolt hole boring examples	Switch mounting examples
<p><b>■ EGS · EGS-V</b></p> <p>2.0 Origin (0,0) φ 4.5 (8.5,17.0) (20.5,17.0) 2-M5 20.0 5.0 2-M3 φ 4.5 (48.5,-5.4) φ 4.5 (26.3,-15.7)</p>	<p><b>■ EGS</b></p> <p>Adjust the L-angle plate's height for activation/deactivation of the lever.</p> <p><b>■ EGS-V</b></p> <p>To mount EGS-V on a mold base on which holes for EGS have already been machined, attach the M3 bolt on the right hand side of the L-angle plate. Adjust the M3 bolt position for activation/deactivation of the push button.</p>
<p><b>■ EGS-V</b></p> <p>2.0 Origin (0,0) φ 4.5 (21.0,15.0) (33.0,15.0) 2-M5 20.0 5.0 2-M3 φ 4.5 (45.0,-5.0) φ 4.5 (22.8,-15.3)</p>	<p><b>■ EGS-V</b></p> <p>Adjust the M3 bolt position for activation/deactivation of the push button. Attach the M3 bolt on the left hand side of the L-angle plate. Use 2 pieces of M5 bolt to attach the L-angle plate.</p>

※An example of using stopper pin • stopper ring **P.1000**

※An example of using stopper pin • stopper ring **P.1000**

Components of Ejector Space