Series MDHR2/MDHR3 **Auto Switch Installation Example** and Mounting Position

Various auto switch applications are possible through different combinations of auto switch quantities and detecting positions.

1) Detection when Gripping Exterior of Workpiece/Auto Switch Mounted from Direction A

Det	ection example	Confirmation of fingers in reset position	2. Confirmation of workpiece held	3. Confirmation of workpiece released	
	Position to be detected	Position of fingers fully opened	Position when gripping a workpiece	Position of fingers fully closed	
	Operation of outo switch	Switch turned ON when fingers return. (Light ON)	Switch turned ON when gripping a workpiece. (Light ON)	When a workpiece is held (Normal operation): Switch to turn OFF (Light not illuminating) When a workpiece is not held (Abnormal operation): Switch to turn ON (Light illuminating)	
n tions	One auto switch	•	•	•	
Detection combinations	Two auto switches	•	•	•	
	w to determine auto switch Illation position	Step 1) Fully open the fingers.	Step 1) Position fingers for gripping a workpiece.	Step 1) Fully close the fingers.	
press switch supp	o pressure or low sure, connect the ch to a power sly, and follow the stions.	In the case of mounting switch from A Step 2) Insert the auto switch into the swi groove from direction A.		B B	
		Step 3) Slide the auto switch in the direction of the arrow until the light illuminates and fasten it at a position 0.3 to 0.5 mm in the direction of the arrow beyond the position where the indicator light illuminates.	ght ion the ⊕		
		Position where light turns ON	Step 4) Slide the auto switch in the direction of the arrow until the indicator light goes or		
		0.3 to 0.5 mm	sition to		
		be secured	Step 5) Move the auto switch in the opposite direction, and fasten it at a position 0.3 to 0.5 mm in the direction of the arrow beyond the position where the indicator light illuminates. Position where light turns ON		
			0.3 to 0.5 mm		
			Position to be secured		

Note 1) It is recommended that gripping of a workpiece be performed close to the center of the finger stroke.

Note 2) When holding a workpiece close at the end of open/close stroke of fingers, detecting performance of the combinations listed in the above table may be limited, depending on the hysteresis of an auto switch, etc.

Auto Switch Series MDHR2/MDHR3

2) Detection when Gripping Exterior of Workniece/Auto Switch Mounted from Direction B

Det	ection example	Confirmation of fingers in reset position	2. Confirmation of workpiece held	3. Confirmation of workpiece released
	Position to be detected	Position of fingers fully opened	Position when gripping a workpiece	Position of fingers fully closed
	Operation of uto switch	Switch turned ON when fingers return. (Light ON)	Switch turned ON when gripping a workpiece. (Light ON)	When a workpiece is held (Normal operation): Switch to turn OFF (Light not illuminating) When a workpiece is not held (Abnormal operation): Switch to turn ON (Light illuminating)
tions	One auto switch	•	•	•
combinations	Two auto switches	•	•	•
How to determine auto switch installation position		Step 1) Fully open the fingers.	Step 1) Position fingers for gripping a workpiece.	Step 1) Fully close the fingers.
At no pressure or low pressure, connect the switch to a power supply, and follow the directions.		In the case of mounting switch from B c Step 2) Insert the auto switch into the switch from direction B.		B B
		Step 3) Slide the auto switch in the direction of the arrow until the indicator light illuminates.	Step 3) Slide the auto switch in the direct illuminates. Move the switch an additional 0 and fasten it.	
		Step 4) Slide the auto switch in the	Position where light turns ON	
		direction of the arrow until the indicator light goes out	0.3 to 0.5 mm Position to be secured	
		Step 5) Move the auto switch in the opposite direction and fasten it at a position 0.3 to 0.5 mm beyond the position where the indicator light illuminates.	4 1	Ψ
		Position where light turns ON Position to be secured		

Note 1) It is recommended that gripping of a workpiece be performed close to the center of the finger stroke.

Note 2) When holding a workpiece close at the end of open/close stroke of fingers, detecting performance of the combinations listed in the above table may be limited, depending on the hysteresis of an auto switch, etc.

Series MDHR2/MDHR3 **Auto Switch Installation Example** and Mounting Position

Various auto switch applications are possible through different combinations of auto switch quantities and detecting positions.

3) Detection when Gripping Interior of Workpiece/Auto Switch Mounted from Direction A

Det	tection example	Confirmation of fingers in reset position	2. Confirmation of workpiece held	3. Confirmation of workpiece released
	Position to be detected	Position of fingers fully closed	Position when gripping a workpiece	Position of fingers fully opened
	Operation of auto switch	Switch turned ON when fingers return. (Light ON)	Switch turned ON when gripping a workpiece. (Light ON)	When a workpiece is held (Normal operation): Switch to turn OFF (Light not illuminating) When a workpiece is not held (Abnormal operation): Switch to turn ON (Light illuminating)
n itions	One auto switch	•	•	•
Detection combinations	Two auto switches	•	•	•
	w to determine auto switch allation position	Step 1) Fully close the fingers.	Step 1) Position fingers for gripping a workpiece.	Step 1) Fully open the fingers.
press	o pressure or low sure, connect the h to a power ly, and follow the tions.	In the case of mounting switch from A Step 2) Insert the auto switch into the swi groove from direction A.		B ★ # # # # # # # # # # # # # # # # # # #
		Step 3) Slide the auto switch in the direction of the arrow until the indicator light illuminates.	illuminates. Move the switch an additional and fasten it.	ection of the arrow until the indicator light 0.3 to 0.5 mm in the direction of the arrow
		Step 4) Slide the auto switch in the direction of the arrow until the indicator light goes out.	Position where light turns ON O.3 to 0.5 mm	
		Step 5) Move the auto switch in the opposite direction and fasten it at a position 0.3 to 0.5 mm beyond the position where the indicator light illuminates.	Position to be secured	
		Position where light turns ON		
		Position to be secured		

Note 1) It is recommended that gripping of a workpiece be performed close to the center of the finger stroke.

Note 2) When holding a workpiece close at the end of open/close stroke of fingers, detecting performance of the combinations listed in the above table may be limited, depending on the hysteresis of an auto switch, etc.

Auto Switch Series MDHR2/MDHR3

Dete	ction example	Confirmation of fingers in reset position	2. Confirmation of workpiece held	3. Confirmation of workpiece released
Position to be detected		Position of fingers fully closed	Position when gripping a workpiece	Position of fingers fully opened
Operation of auto switch		Switch turned ON when fingers return. (Light ON)	Switch turned ON when gripping a workpiece. (Light ON)	When a workpiece is held (Normal operation): Switch to turn OFF (Light not illuminating) When a workpiece is not held (Abnormal operation): Switch to turn ON (Light illuminating)
ions	One auto switch	•	•	
combinations	Two auto	•	•	•
		Step 1) Fully close the fingers.	Step 1) Position fingers for gripping a workpiece.	Step 1) Fully open the fingers.
How to determine auto switch installation position		Step 1)1 uny close the imgers.	Step 1)1 containing a workpiece.	G. C.
		In the case of mounting switch from B	direction	
At no pressure or low pressure, connect the switch to a power supply, and follow the		Step 2) Insert auto switch into the switch i groove from direction B.		B
recti		Step 3) Slide the auto switch in the Step 3) Slide the auto switch in the direction of the arrow until the indicator light		
		direction of the arrow until the light illuminates and fasten it at a position	illuminates.	on of the arrow until the indicator light
		0.3 to.0.5 mm in the direction of the arrow beyond the position where the indicator light illuminates.		
		macaco ng mamaco.		
		Position where light turns ON	Step 4) Slide the auto switch in the direct goes out.	on of the arrow until the indicator light
		Position to be secured	Step 5) Move the auto switch in the opposite to 0.5 mm in the direction of the arrow beyo illuminates.	
			Position where light turns ON	
			Position to be secured	0.0.5 mm

 $_{\Lambda}$ Note 1) It is recommended that gripping of a workpiece be performed close to the center of the finger stroke.

Note 1) It is recommended that gripping of a workpiece be performed close to the center of the linger sticke.

Note 2) When holding a workpiece close at the end of open/close stroke of fingers, detecting performance of the combinations listed in the above table may be limited, depending on the hysteresis of an auto switch, etc.

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