Series MHZ2/MHZJ2/MHK2/MHKL2/MHC2/MHT2 **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

Detection example		1. 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 workpiece	Position of fingers fully closed	
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)	
Detection combinations	One auto switch		•	•	
	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.		Step 2) Insert the auto switch into the switch installation groove in the direction shown in the following drawing.			
		Step 3) Slide the auto switch in the direction of the arrow until the indicator light illuminates.			
			Position where light turns	ON	
		Step 4) Slide the auto switch further in the direction of the arrow until the indicator light goes out.		<u>■□€</u> #© <u></u>	
		_ 	<u>0.</u>	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			
\mathcal{O}	Note 2) When ho	nmended that gripping of a workpiece be p Idding a workpiece close at the end of ope y be limited, depending on the hysteresis c	en/close stroke of fingers, detecting perfe	er stroke. ormance of the combinations listed in the above	

Various auto switch applications are possible through different combinations of auto switch quantities and detecting positions. 2) Detection when Gripping Interior of Workpiece

Detection example		1. Confirmation of fingers in reset position	2. Confirmation of workpiece held	3. Confirmation of workpiece released	
Position to be detected		Position of tingers	Position when gripping	Position of fingers fully opened	MHZ
			♦ ◆ [,] []		MHF
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):	MHL
		•		Switch to turn ON (Light illuminating)	
ר tions	One auto switch		•	•	MHK
Detection combinations	Two auto	•	•		MHS
Det	switches	•		•	MHC
How to determine auto switch		Step 1) Fully close the +	Step 1) Position fingers for	Step 1) Fully open the	MHT
insta	llation position	fingers.	gripping a workpiece.	fingers.	MHY
	pressure or low	Step 2) Insert the auto switch into the switch installation groove in the direction shown in the following drawing.			MHW
pressure, connect the switch to a power supply, and follow the directions.					
					Misc.
		Step 3) Move the auto switch in the direction of the arrow and fasten it at a position 0.3 to 0.5 mm beyond the	Step 3) Slide the auto switch in the direction of the arrow until the indicator light illuminates.		D-
		position where the indicator light illuminates.			20-
		Position where light turns ON	Step 4) Slide the auto switch further light goes out.	in the direction of the arrow until the indicator	
		0.3 to 0.5 mm			
				the opposite direction 0.3 to 0.5 mm in the its location when the indicator light comes on	
			Position where light turns ON	↓ ● ← ↓ ● ← − − − − − − − − − − − − − − − − − −	
			Position to be		
\bigcirc	Note 1) It is recor	nmended that gripping of a workpiece be	performed close to the center of the finge	er 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.







