

Models Listed by E2E Type

●: Standard Models, ▲: Different frequency, □: Self-diagnosis, ■: Different frequency and self-diagnosis, ---: Not listed

2-Wire Models

Power supply	Shielding	Size and sensing distance	Polarity	Operation mode	Oil-resistant reinforced PUR cable		Standard cable and flexible cable (cable material: oil-resistant PVC)/Connector models							Page			
					M12 pre-wired smartclick connector models	Pre-wired model with 2-m cable	M12 pre-wired smartclick connector models	Pre-wired model with standard 2-m cable	Pre-wired model with flexible 2-m cable	Pre-wired model with standard 5-m cable	M12 connector (IEC pin arrangement)	M12 standard pre-wired connector models	M8 connector	M12 connector (old pin arrangement)	Ordering Information	Dimensions reference chart	
DC	Shielded	M8 2 m	Yes	NO	●	●	●	●	●	●	●	---	●	●	Refer to page 7.	Refer to page 29.	
				NC	●	●	---	●	---	●	●	---	●	●			
		M12 3 mm	Yes	NO	●	●	●	●▲■	●	●	●▲□	●	---	●			Refer to Models with Self-diagnostic Output on page 8.
				NC	●	●	---	●	---	●	●	---	●	●			
		M18 7 mm	No	NO	---	---	---	---	---	---	---	●	---	---			Refer to Models with conventional connector pin assignments on page 9.
				NC	---	---	---	---	---	---	---	●	---	---			
	M30 10 mm	Yes	NO	●	●	●	●▲■	●	●	●▲□	●	---	●	Refer to Models with conventional connector pin assignments on page 9.			
			NC	●	●	---	●	---	---	●	●	---	●				
	M8 4 mm	Yes	NO	---	---	---	●	●	●	●	---	●	●	Refer to Models with Self-diagnostic Output or Models with conventional connector pin assignments on page 9.			
			NC	---	---	---	●	---	---	●	---	●	●				
	M12 8 mm	Yes	NO	---	---	●	●▲■	●	●	●▲□	●	---	●	Refer to Models with conventional connector pin assignments on page 9.			
			NC	---	---	---	●	---	---	●	---	●	●				
	M18 14 mm	Yes	NO	---	---	●	●▲■	●	●	●▲□	●	---	●	Refer to Models with conventional connector pin assignments on page 9.			
			NC	---	---	---	●	---	---	●	---	●	●				
	M30 20 mm	Yes	NO	---	---	●	●▲■	●	●	●▲□	●	---	●	Refer to Models with conventional connector pin assignments on page 9.			
			NC	---	---	---	●	---	---	●	---	●	●				
	AC	Shielded	M8 1.5 mm	---	NO	---	---	---	●	---	---	---	---	---	Refer to page 10.		
					NC	---	---	---	●	---	---	---	---	---			
M12 2 mm			---	NO	---	---	---	●▲	---	●	●	---	---	---			
				NC	---	---	---	●	---	---	●	---	---	---			
M18 5 mm			---	NO	---	---	---	●▲	---	●	●	---	---	---			
				NC	---	---	---	●	---	---	●	---	---	---			
M30 10 mm		---	NO	---	---	---	●▲	---	●	●	---	---	---				
			NC	---	---	---	●	---	---	●	---	---	---				
Unshielded		M8 2 mm	---	NO	---	---	---	●	---	---	---	---	---	Refer to page 10.			
				NC	---	---	---	●	---	---	---	---	---				
		M12 5 mm	---	NO	---	---	---	●▲	---	●	●	---	---			Refer to page 10.	
				NC	---	---	---	●	---	---	●	---	---				
	M18 10 mm	---	NO	---	---	---	●▲	---	●	●	---	---	Refer to page 10.				
			NC	---	---	---	●	---	---	●	---	---					
M30 18 mm	---	NO	---	---	---	●▲	---	●	●	---	---	Refer to page 10.					
		NC	---	---	---	●	---	---	●	---	---						
AC/DC	Shielded	M12 2 mm	---	NO	---	---	---	●	---	---	---	---	---	Refer to page 10.			
				NC	---	---	---	---	---	---	---	---	---				
		M18 5 mm	---	NO	---	---	---	●	---	●	---	---	---		Refer to page 10.		
				NC	---	---	---	---	---	---	---	---	---				
		M30 10 mm	---	NO	---	---	---	●	---	---	---	---	---		Refer to page 10.		
				NC	---	---	---	---	---	---	---	---	---				

●: Standard Models, ▲: Different frequency, ---: Not listed

3-Wire Models

Power supply	Shielding	Size and sensing distance	Polarity	Operation mode	Oil-resistant reinforced PUR cable		Standard cable and flexible cable (cable material: oil-resistant PVC)/Connector models								Page				
					M12 pre-wired smartclick connector models	Pre-wired model with 2-m cable	M12 pre-wired smartclick connector models	Pre-wired model with standard 2-m cable	Pre-wired model with flexible 2-m cable	Pre-wired model with standard 5-m cable	M12 connector (IEC pin arrangement)	M12 standard pre-wired connector models	M8 connector	e-CON pre-wired connector models	Ordering Information	Dimensions reference chart			
DC NPN	Shielded	3 dia. 0.6 mm	Yes	NO	---	---	---	●	---	---	---	---	---	---	Refer to page 11.				
		NC		---	---	---	●	---	---	---	---	---							
		4 dia. 0.8 mm		NO	---	---	---	●	●	●	---	---	---	---					
		NC		---	---	---	●	---	---	---	---	---	---						
		M5 1 mm		NO	---	---	---	●	●	●	---	---	---	---					
		NC		---	---	---	●	---	---	---	---	---	---						
		5.4 dia. 1 mm		NO	---	---	---	●	●	●	---	---	---	---					
		NC		---	---	---	●	---	---	---	---	---	---	---					
		M8 1.5mm		NO	---	---	---	●	●	●	●	---	●	---					
		NC		---	---	---	●	---	---	●	---	●	---						
		M12 2 mm		NO	---	---	---	●▲	●	●	●	●	---	●					
		NC		---	---	---	●	---	---	●	---	---	---						
	M18 5 mm	NO		---	---	---	●▲	●	●	●	●	---	●						
	NC	---		---	---	●	---	---	●	---	---	---							
	M30 10 mm	NO		---	---	---	●▲	●	●	●	●	---	●						
	NC	---		---	---	●	---	---	●	---	---	---							
	Unshielded	M8 2 mm		NO	---	---	---	●	●	---	●	---	●	---					
		NC		---	---	---	●	---	---	●	---	●	---						
		M12 5 mm		NO	---	---	---	●▲	●	●	●	---	●						
		NC		---	---	---	●	---	---	●	---	---	---						
		M18 10 mm		NO	---	---	---	●▲	●	●	●	---	●						
		NC		---	---	---	●	---	---	●	---	---	---						
	DC PNP	Shielded		3 dia. 0.6 mm	NO	---	---	---	●	---	---	---	---	---			---	Refer to page 11.	
				NC	---	---	---	●	---	---	---	---	---	---					
4 dia. 0.8 mm			NO	---	---	---	●	●	---	---	---	---	---						
NC			---	---	---	●	---	---	---	---	---	---							
M5 1 mm			NO	---	---	---	●	●	---	---	---	---	---						
NC			---	---	---	●	---	---	---	---	---	---							
5.4 dia. 1 mm			NO	---	---	---	●	---	---	---	---	---	---						
NC			---	---	---	●	---	---	---	---	---	---							
M8 1.5mm			NO	---	---	---	●	●	●	●	---	●	---						
NC			---	---	---	●	---	---	●	---	●	---							
M12 2 mm			NO	---	---	---	●▲	●	●	●	●	---	---						
NC			---	---	---	●	---	---	●	---	---	---							
M18 5 mm	NO	---	---	---	●▲	●	●	●	●	---	---								
NC	---	---	---	●	---	---	●	---	---	---									
M30 10 mm	NO	---	---	---	●	●	---	●	---	---	---								
NC	---	---	---	●	---	---	●	---	---	---									
Unshielded	M8 2 mm	NO	---	---	---	●	●	---	●	---	●	---							
	NC	---	---	---	●	---	---	●	---	●	---								
	M12 5 mm	NO	---	---	---	●	●	---	●	---	---	---							
	NC	---	---	---	●	---	---	●	---	---	---								
	M18 10 mm	NO	---	---	---	●	●	---	●	---	---	---							
	NC	---	---	---	●	---	---	●	---	---	---								