

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 Models with Self-diagnostic Output on page 8. Refer to Models with conventional connector pin assignments on page 9.	Refer to page 29.	
				NC	●	●	---	●	---	●	●	---	●	●			
		M12 3 mm	Yes	NO	●	●	●	●▲■	●	●	●▲□	●	---	●			●
				NC	●	●	---	●	---	●	●	---	●	●			
		M18 7 mm	No	NO	---	---	---	---	---	---	---	●	---	---			---
				NC	---	---	---	---	---	---	---	●	---	---			---
	M30 10 mm	Yes	NO	●	●	●	●▲■	●	●	●▲□	●	---	●	●			
			NC	●	●	---	●	---	---	●	●	---	●	●			
	M8 4 mm	Unshielded	Yes	NO	---	---	---	●	●	●	●	---	●	●	Refer to page 8.		
				NC	---	---	---	●	---	---	●	---	●	●	Refer to Models with Self-diagnostic Output or Models with conventional connector pin assignments on page 9.		
	M12 8 mm	Unshielded	Yes	NO	---	---	●	●▲■	●	●	●▲□	●	---	●	Refer to page 10.		
				NC	---	---	---	●	---	---	●	---	●	●			
	M18 14 mm	Unshielded	Yes	NO	---	---	●	●▲■	●	●	●▲□	●	---	●			
				NC	---	---	---	●	---	---	●	---	●	●			
	M30 20 mm	Unshielded	Yes	NO	---	---	●	●▲■	●	●	●▲□	●	---	●			
				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	---	---	---	●	---	---	---	---	---	---			
				NC	---	---	---	●	---	---	---	---	---	---			
		M12 5 mm	---	NO	---	---	---	●▲	---	●	●	---	---	---			
				NC	---	---	---	●	---	---	●	---	---	---			
	M18 10 mm	---	NO	---	---	---	●▲	---	●	●	---	---	---				
			NC	---	---	---	●	---	---	●	---	---	---				
M30 18 mm	---	NO	---	---	---	●▲	---	●	●	---	---	---					
		NC	---	---	---	●	---	---	●	---	---	---					
AC/DC	Shielded	M12 2 mm	---	NO	---	---	---	●	---	---	---	---	---	Refer to page 10.			
				NC	---	---	---	---	---	---	---	---	---				
		M18 5 mm	---	NO	---	---	---	●	---	●	---	---	---				
				NC	---	---	---	---	---	---	---	---	---		---		
		M30 10 mm	---	NO	---	---	---	●	---	---	---	---	---		---		
				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	---	---	---	●	---	---	---
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	---	---	---	●	---	---	---	●	---	---	---			
M30 18 mm	NO	---	---	---	●▲	●	●	●	●	---	---	●				
NC	---	---	---	●	---	---	---	●	---	---	---	---				
DC PNP	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	---	---	---	●	---	---	---	●	---	---				
M30 18 mm	NO	---	---	---	●	●	---	---	●	---	---					
NC	---	---	---	●	---	---	---	●	---	---	---					