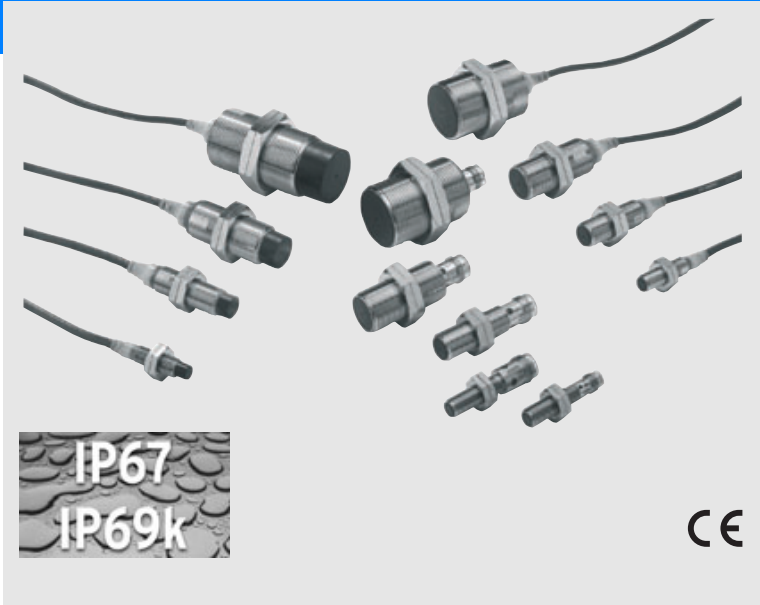


# Cylindrical Proximity Sensor E2A

*High quality for extra long life in daily use*

- wide portfolio range through modular concept
- designed and tested for extra long life
- IP67 and IP69k for highest protection in wet environments
- continuously high quality level through specialized manufacturing process
- DC 3-wire and DC 2-wire models
- Normally open (NO), normally closed (NC) and antivalent (NO+NC) models
- up to 30mm sensing distance
- Stainless steel and brass housings
- Pre-wired versions with different cable materials and diameters, M8 and M12 connector types, pre-wired types with cable end connectors



## Ordering Information

DC 3-wire models (NO + NC: DC 4-wire) \*2

Size	Sensing distance	Connec-tion	Body material	Thread length (overall length)	Output configuration	Operation mode NO	Operation mode NC	
M8	Shielded	Pre-wired	Stainless steel*1	27 (40)	PNP	E2A-S08KS02-WP-B1 2M	E2A-S08KS02-WP-B2 2M	
					NPN	E2A-S08KS02-WP-C1 2M	E2A-S08KS02-WP-C2 2M	
				49 (62)	PNP	E2A-S08LS02-WP-B1 2M	E2A-S08LS02-WP-B2 2M	
					NPN	E2A-S08LS02-WP-C1 2M	E2A-S08LS02-WP-C2 2M	
				M12 connector	27 (43)	PNP	E2A-S08KS02-M1-B1	E2A-S08KS02-M1-B2
						NPN	E2A-S08KS02-M1-C1	E2A-S08KS02-M1-C2
		49 (65)			PNP	E2A-S08LS02-M1-B1	E2A-S08LS02-M1-B2	
					NPN	E2A-S08LS02-M1-C1	E2A-S08LS02-M1-C2	
		M8 connector (3-pin)			27 (39)	PNP	E2A-S08KS02-M5-B1	E2A-S08KS02-M5-B2
						NPN	E2A-S08KS02-M5-C1	E2A-S08KS02-M5-C2
				49 (61)	PNP	E2A-S08LS02-M5-B1	E2A-S08LS02-M5-B2	
					NPN	E2A-S08LS02-M5-C1	E2A-S08LS02-M5-C2	
	M8 connector (4-pin)	27 (39)		PNP	E2A-S08KS02-M3-B1	E2A-S08KS02-M3-B2		
				NPN	E2A-S08KS02-M3-C1	E2A-S08KS02-M3-C2		
		49 (61)		PNP	E2A-S08LS02-M3-B1	E2A-S08LS02-M3-B2		
				NPN	E2A-S08LS02-M3-C1	E2A-S08LS02-M3-C2		
		Non-shielded		Pre-wired	27 (40)	PNP	E2A-S08KN04-WP-B1 2M	E2A-S08KN04-WP-B2 2M
						NPN	E2A-S08KN04-WP-C1 2M	E2A-S08KN04-WP-C2 2M
	49 (62)				PNP	E2A-S08LN04-WP-B1 2M	E2A-S08LN04-WP-B2 2M	
					NPN	E2A-S08LN04-WP-C1 2M	E2A-S08LN04-WP-C2 2M	
	M12 connector				27 (43)	PNP	E2A-S08KN04-M1-B1	E2A-S08KN04-M1-B2
						NPN	E2A-S08KN04-M1-C1	E2A-S08KN04-M1-C2
				49 (65)	PNP	E2A-S08LN04-M1-B1	E2A-S08LN04-M1-B2	
					NPN	E2A-S08LN04-M1-C1	E2A-S08LN04-M1-C2	
M8 connector (3-pin)			27 (39)	PNP	E2A-S08KN04-M5-B1	E2A-S08KN04-M5-B2		
				NPN	E2A-S08KN04-M5-C1	E2A-S08KN04-M5-C2		
	49 (61)		PNP	E2A-S08LN04-M5-B1	E2A-S08LN04-M5-B2			
			NPN	E2A-S08LN04-M5-C1	E2A-S08LN04-M5-C2			
M8 connector (4 pin)	27 (39)	PNP	E2A-S08KN04-M3-B1	E2A-S08KN04-M3-B2				
		NPN	E2A-S08KN04-M3-C1	E2A-S08KN04-M3-C2				
	49 (61)	PNP	E2A-S08LN04-M3-B1	E2A-S08LN04-M3-B2				
		NPN	E2A-S08LN04-M3-C1	E2A-S08LN04-M3-C2				

Size	Sensing distance	Connection	Body material	Thread length (overall length)	Output configuration	Operation mode NO	Operation mode NC	Operation mode NO + NC					
M12	Shielded	4.0 mm	Pre-wired	Brass <sup>3</sup>	34 (50)	PNP	E2A-M12KS04-WP-B1 2M	E2A-M12KS04-WP-B2 2M	E2A-M12KS04-WP-B3 2M				
					56 (72)	NPN	E2A-M12KS04-WP-C1 2M	E2A-M12KS04-WP-C2 2M	E2A-M12KS04-WP-C3 2M				
						PNP	E2A-M12LS04-WP-B1 2M	E2A-M12LS04-WP-B2 2M	E2A-M12LS04-WP-B3 2M				
			M12 connector	Brass <sup>3</sup>	34 (48)	PNP	E2A-M12KS04-M1-B1	E2A-M12KS04-M1-B2	E2A-M12KS04-M1-B3				
					56 (70)	NPN	E2A-M12KS04-M1-C1	E2A-M12KS04-M1-C2	E2A-M12KS04-M1-C3				
						PNP	E2A-M12LS04-M1-B1	E2A-M12LS04-M1-B2	E2A-M12LS04-M1-B3				
		M8 connector (3-pin)	Brass <sup>3</sup>	34 (48)	PNP	E2A-M12KS04-M5-B1	E2A-M12KS04-M5-B2	n.a.					
					NPN	E2A-M12KS04-M5-C1	E2A-M12KS04-M5-C2	n.a.					
				56 (70)	PNP	E2A-M12LS04-M5-B1	E2A-M12LS04-M5-B2	n.a.					
		NPN	E2A-M12LS04-M5-C1		E2A-M12LS04-M5-C2	n.a.							
		M8 connector (4-pin)	Brass <sup>3</sup>	34 (48)	PNP	E2A-M12KS04-M3-B1	E2A-M12KS04-M3-B2	n.a.					
					NPN	E2A-M12KS04-M3-C1	E2A-M12KS04-M3-C2	n.a.					
				56 (70)	PNP	E2A-M12LS04-M3-B1	E2A-M12LS04-M3-B2	n.a.					
					NPN	E2A-M12LS04-M3-C1	E2A-M12LS04-M3-C2	n.a.					
				Non-shielded	8.0 mm	Pre-wired	Brass <sup>3</sup>	34 (50)	PNP	E2A-M12KN08-WP-B1 2M	E2A-M12KN08-WP-B2 2M	E2A-M12KN08-WP-B3 2M	
								56 (72)	NPN	E2A-M12KN08-WP-C1 2M	E2A-M12KN08-WP-C2 2M	E2A-M12KN08-WP-C3 2M	
		PNP	E2A-M12LN08-WP-B1 2M						E2A-M12LN08-WP-B2 2M	E2A-M12LN08-WP-B3 2M			
		M12 connector	Brass <sup>3</sup>					34 (48)	PNP	E2A-M12KN08-M1-B1	E2A-M12KN08-M1-B2	E2A-M12KN08-M1-B3	
								56 (70)	NPN	E2A-M12KN08-M1-C1	E2A-M12KN08-M1-C2	E2A-M12KN08-M1-C3	
									PNP	E2A-M12LN08-M1-B1	E2A-M12LN08-M1-B2	E2A-M12LN08-M1-B3	
						M8 connector (3-pin)	Brass <sup>3</sup>	34 (48)	PNP	E2A-M12KN08-M5-B1	E2A-M12KN08-M5-B2	n.a.	
									NPN	E2A-M12KN08-M5-C1	E2A-M12KN08-M5-C2	n.a.	
								56 (70)	PNP	E2A-M12LN08-M5-B1	E2A-M12LN08-M5-B2	n.a.	
		NPN	E2A-M12LN08-M5-C1						E2A-M12LN08-M5-C2	n.a.			
	M8 connector (4-pin)	Brass <sup>3</sup>	34 (48)					PNP	E2A-M12KN08-M3-B1	E2A-M12KN08-M3-B2	n.a.		
								NPN	E2A-M12KN08-M3-C1	E2A-M12KN08-M3-C2	n.a.		
			56 (70)		PNP	E2A-M12LN08-M3-B1	E2A-M12LN08-M3-B2	n.a.					
					NPN	E2A-M12LN08-M3-C1	E2A-M12LN08-M3-C2	n.a.					
			M18		Shielded	8.0 mm	Pre-wired	Brass <sup>3</sup>	39 (59)	PNP	E2A-M18KS08-WP-B1 2M	E2A-M18KS08-WP-B2 2M	E2A-M18KS08-WP-B3 2M
									61 (81)	NPN	E2A-M18KS08-WP-C1 2M	E2A-M18KS08-WP-C2 2M	E2A-M18KS08-WP-C3 2M
	PNP	E2A-M18LS08-WP-B1 2M								E2A-M18LS08-WP-B2 2M	E2A-M18LS08-WP-B3 2M		
	M12 connector	Brass <sup>3</sup>					39 (53)	PNP	E2A-M18KS08-M1-B1	E2A-M18KS08-M1-B2	E2A-M18KS08-M1-B3		
							61 (75)	NPN	E2A-M18KS08-M1-C1	E2A-M18KS08-M1-C2	E2A-M18KS08-M1-C3		
								PNP	E2A-M18LS08-M1-B1	E2A-M18LS08-M1-B2	E2A-M18LS08-M1-B3		
	M8 connector (3-pin)	Brass <sup>3</sup>				39 (53)	PNP	E2A-M18KS08-M5-B1	E2A-M18KS08-M5-B2	n.a.			
							NPN	E2A-M18KS08-M5-C1	E2A-M18KS08-M5-C2	n.a.			
						61 (75)	PNP	E2A-M18LS08-M5-B1	E2A-M18LS08-M5-B2	n.a.			
	NPN	E2A-M18LS08-M5-C1					E2A-M18LS08-M5-C2	n.a.					
	M8 connector (4-pin)	Brass <sup>3</sup>		39 (53)		PNP	E2A-M18KS08-M3-B1	E2A-M18KS08-M3-B2	n.a.				
						NPN	E2A-M18KS08-M3-C1	E2A-M18KS08-M3-C2	n.a.				
				61 (75)	PNP	E2A-M18LS08-M3-B1	E2A-M18LS08-M3-B2	n.a.					
					NPN	E2A-M18LS08-M3-C1	E2A-M18LS08-M3-C2	n.a.					
				Non-shielded	16.0 mm	Pre-wired	Brass <sup>3</sup>	39 (59)	PNP	E2A-M18KN16-WP-B1 2M	E2A-M18KN16-WP-B2 2M	E2A-M18KN16-WP-B3 2M	
								61 (81)	NPN	E2A-M18KN16-WP-C1 2M	E2A-M18KN16-WP-C2 2M	E2A-M18KN16-WP-C3 2M	
	PNP	E2A-M18LN16-WP-B1 2M							E2A-M18LN16-WP-B2 2M	E2A-M18LN16-WP-B3 2M			
	M12 connector	Brass <sup>3</sup>				39 (53)	PNP	E2A-M18KN16-M1-B1	E2A-M18KN16-M1-B2	E2A-M18KN16-M1-B3			
						61 (75)	NPN	E2A-M18KN16-M1-C1	E2A-M18KN16-M1-C2	E2A-M18KN16-M1-C3			
							PNP	E2A-M18LN16-M1-B1	E2A-M18LN16-M1-B2	E2A-M18LN16-M1-B3			
M8 connector (3-pin)	Brass <sup>3</sup>	39 (53)			PNP	E2A-M18KN16-M5-B1	E2A-M18KN16-M5-B2	n.a.					
					NPN	E2A-M18KN16-M5-C1	E2A-M18KN16-M5-C2	n.a.					
		61 (75)			PNP	E2A-M18LN16-M5-B1	E2A-M18LN16-M5-B2	n.a.					
NPN	E2A-M18LN16-M5-C1				E2A-M18LN16-M5-C2	n.a.							
M8 connector (4-pin)	Brass <sup>3</sup>	39 (53)	PNP		E2A-M18KN16-M3-B1	E2A-M18KN16-M3-B2	n.a.						
			NPN		E2A-M18KN16-M3-C1	E2A-M18KN16-M3-C2	n.a.						
		61 (75)	PNP	E2A-M18LN16-M3-B1	E2A-M18LN16-M3-B2	n.a.							
			NPN	E2A-M18LN16-M3-C1	E2A-M18LN16-M3-C2	n.a.							