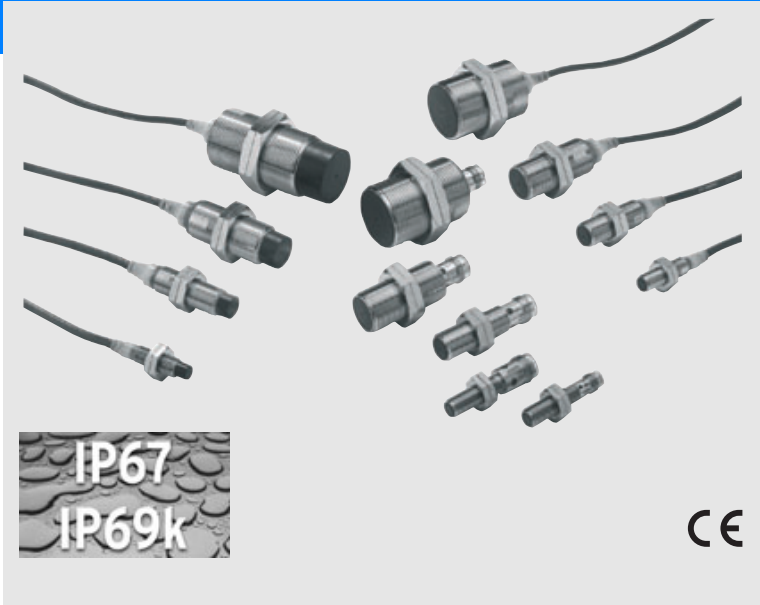


# Cylindrical Proximity Sensor E2A

*High quality for extra long life in daily use*

- sensing distance approximately 1.5 to 2 times longer than standard CENELEC proximity sensors
- designed and tested for extra long life
- IP67 and IP69k for highest protection in wet environments
- consistent high quality level
- 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				
						NPN	E2A-M12KS04-WP-C1 2M	E2A-M12KS04-WP-C2 2M	E2A-M12KS04-WP-C3 2M				
					56 (72)	PNP	E2A-M12LS04-WP-B1 2M	E2A-M12LS04-WP-B2 2M	E2A-M12LS04-WP-B3 2M				
			NPN			E2A-M12LS04-WP-C1 2M	E2A-M12LS04-WP-C2 2M	E2A-M12LS04-WP-C3 2M					
			M12 connector		Brass <sup>3</sup>	34 (48)	PNP	E2A-M12KS04-M1-B1	E2A-M12KS04-M1-B2	E2A-M12KS04-M1-B3			
							NPN	E2A-M12KS04-M1-C1	E2A-M12KS04-M1-C2	E2A-M12KS04-M1-C3			
		56 (70)		PNP		E2A-M12LS04-M1-B1	E2A-M12LS04-M1-B2	E2A-M12LS04-M1-B3					
				NPN		E2A-M12LS04-M1-C1	E2A-M12LS04-M1-C2	E2A-M12LS04-M1-C3					
		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	
									NPN	E2A-M12KN08-WP-C1 2M	E2A-M12KN08-WP-C2 2M	E2A-M12KN08-WP-C3 2M	
			56 (72)		PNP			E2A-M12LN08-WP-B1 2M	E2A-M12LN08-WP-B2 2M	E2A-M12LN08-WP-B3 2M			
					NPN			E2A-M12LN08-WP-C1 2M	E2A-M12LN08-WP-C2 2M	E2A-M12LN08-WP-C3 2M			
			M12 connector		Brass <sup>3</sup>			34 (48)	PNP	E2A-M12KN08-M1-B1	E2A-M12KN08-M1-B2	E2A-M12KN08-M1-B3	
									NPN	E2A-M12KN08-M1-C1	E2A-M12KN08-M1-C2	E2A-M12KN08-M1-C3	
						56 (70)	PNP	E2A-M12LN08-M1-B1	E2A-M12LN08-M1-B2	E2A-M12LN08-M1-B3			
							NPN	E2A-M12LN08-M1-C1	E2A-M12LN08-M1-C2	E2A-M12LN08-M1-C3			
	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
										NPN	E2A-M18KS08-WP-C1 2M	E2A-M18KS08-WP-C2 2M	E2A-M18KS08-WP-C3 2M
			61 (81)	PNP					E2A-M18LS08-WP-B1 2M	E2A-M18LS08-WP-B2 2M	E2A-M18LS08-WP-B3 2M		
				NPN					E2A-M18LS08-WP-C1 2M	E2A-M18LS08-WP-C2 2M	E2A-M18LS08-WP-C3 2M		
			M12 connector	Brass <sup>3</sup>					39 (53)	PNP	E2A-M18KS08-M1-B1	E2A-M18KS08-M1-B2	E2A-M18KS08-M1-B3
										NPN	E2A-M18KS08-M1-C1	E2A-M18KS08-M1-C2	E2A-M18KS08-M1-C3
						61 (75)	PNP	E2A-M18LS08-M1-B1	E2A-M18LS08-M1-B2	E2A-M18LS08-M1-B3			
							NPN	E2A-M18LS08-M1-C1	E2A-M18LS08-M1-C2	E2A-M18LS08-M1-C3			
		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		
								NPN	E2A-M18KN16-WP-C1 2M	E2A-M18KN16-WP-C2 2M	E2A-M18KN16-WP-C3 2M		
			61 (81)	PNP			E2A-M18LN16-WP-B1 2M	E2A-M18LN16-WP-B2 2M	E2A-M18LN16-WP-B3 2M				
				NPN			E2A-M18LN16-WP-C1 2M	E2A-M18LN16-WP-C2 2M	E2A-M18LN16-WP-C3 2M				
			M12 connector	Brass <sup>3</sup>			39 (53)	PNP	E2A-M18KN16-M1-B1	E2A-M18KN16-M1-B2	E2A-M18KN16-M1-B3		
								NPN	E2A-M18KN16-M1-C1	E2A-M18KN16-M1-C2	E2A-M18KN16-M1-C3		
					61 (75)	PNP	E2A-M18LN16-M1-B1	E2A-M18LN16-M1-B2	E2A-M18LN16-M1-B3				
						NPN	E2A-M18LN16-M1-C1	E2A-M18LN16-M1-C2	E2A-M18LN16-M1-C3				
	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.							