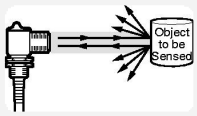
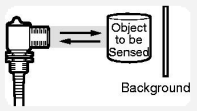
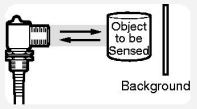
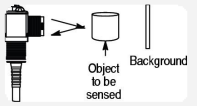
Sensing Mode		Operating Voltage	Light Source	Sensing Distance	Sensitivity Adjustment	Output Function	Output Type‡	Cat. No.§
Sharp cutoff diffuse		10.8...30V DC	Infrared	3...100 mm (0.1...3.93 in.)	Single-turn knob	Light operate	NPN & PNP	42EF-S1JBA-F4
						Dark operate		42EF-S1KBA-F4
						Light and dark operate	NPN	42EF-S1MNA-F4
							PNP	42EF-S1MPA-F4
		21.6...264V AC/DC				Light operate	N-MOSFET	42EF-S1RCA-G4
						Dark operate	NPN and PNP	42EF-S1SCA-G4
Background suppression		10.8...30V DC	Infrared	3...50 mm (0.1...2 in.)	No adjustment	Light operate	NPN and PNP	42EF-B1JBBC-F4
						Dark operate		42EF-B1KBBC-F4
						Light and dark operate	NPN	42EF-B1MNBC-F4
							PNP	42EF-B1MPBC-F4
		21.6...264V AC/DC	Infrared	3...50 mm (0.1...2 in.)	No adjustment	Light operate	N-MOSFET	42EF-B1RCBC-G4
						Dark operate		42EF-B1SCBC-G4
		10.8...30V DC	Infrared	3...100 mm (0.1...3.9 in.)	No adjustment	Light operate	NPN and PNP	42EF-B1JBBE-F4
						Dark operate		42EF-B1KBBE-F4
						Light and dark operate	NPN	42EF-B1MNBE-F4
							PNP	42EF-B1MPBE-F4
		21.6...264V AC/DC	Infrared	3...100 mm (0.1...3.9 in.)	No adjustment	Light operate	N-MOSFET	42EF-B1RCBE-G4
						Dark operate		42EF-B1SCBE-G4
Background/Foreground Suppression		10...30V DC	Class 1 Laser	8...250 mm (0.31... 9.84 in.)	Remote Teach	Light or dark operate	NPN and PNP	42EF-B8LBR-F5
					Pushbutton			42EF-A8LBC-F4
Fixed Focus Diffuse		10...30V DC	Visible red	0.043 m (0.14 ft)	Teach button	Light operate	NPN & PNP	42EF-F2JBC-F4
					Single-turn knob	Dark operate		42EF-F2KBC-F4
Recommended standard 4-pin DC micro (M12) quick-disconnect cordset.								889D-F4AC-2
Recommended standard 4-pin DC pico (M8) quick-disconnect cordset.								889P-F4AB-2
Recommended standard 4-pin AC micro (M12) quick-disconnect cordset.								889D-F4AEA-2

§ Connection Options: The -F4 suffix describes a 4-pin DC micro (M12) quick-disconnect connector on a 150 mm (6 in.) length cable for DC models and the -G4 describes a 4-pin AC micro (M12) quick-disconnect connector on a 150 mm (6 in.) length cable for AC models. For additional connection options, replace the -F4 or -G4 suffix with:

-A2 for a 2 m cable without quick-disconnect connection(for example, 42EF-P2MPB-A2).

-Y4 for a 4-pin DC pico (M8) quick-disconnect connection (for example, 42EF-P2MPB-Y4). This option is only available for DC non-laser models.

‡ P-MOSFET are available. Refer to ProposalWorks or visit www.ab.com/e-tools for additional product selection information.