Brad® Micro-Change® (M12) A-Code Single-Ended Cordsets (Europe)

120006/120067

Female, Pigtail Straight, Right Angle With LEDs



Features and Benefits

- M12 single keyway (A-Coding) IEC compliant cordset assemblies
- LEDs for power and signal trigger indicator for PNP sensors (for NPN sensors also available)
- IP67/68 rated for harsh environments
- Patented anti-vibration feature to prevent loosening under high vibration applications
- Wide selection of cables to fit applications
  - PVC cables for light, cost sensitive industrial applications
  - PUR cables for moderate flexing and for environments encountering cutting fluids and oils
  - TPE cables for continuous flex applications. Also ideal for welding cells; cable is weld slag resistant

Reference Information

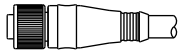
UL File No.: E152210 (K05 cable assemblies)
CSA File No.: LR6837 (K05 cable assemblies)

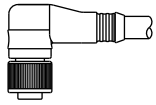
Physical

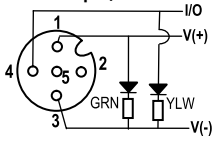
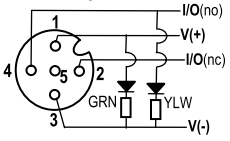
Connector Body: PUR (TPE for K05)
Contact Carries: Polyamide
O-ring: Viton
Coupling Nut: Nickel-plated Brass (Teflon coated for K05)
Contacts: Copper alloy with Gold over Nickel plating
LEDs: Green—Power
Yellow—Sensor/output trigger
Cables: E03—Black PVC jacket, 0.34mm² PVC conductors, 300V, 80°C, UL AWM 2464
P03—Black PUR/PVC jacket, 0.34mm² PVC conductors, 300V, 80°C
H09—Black PUR jacket, 0.34mm² PVC conductors, 300V, 80°C, Low Smoke/Zero Halogen (LSOH), UL AWM 21198
K05—Yellow TPE jacket, 22 AWG PVC conductors, 300V, UL PLTC-ER, +10M flex life (torsion and bending)

Environmental

Protection: IP67
NEMA Rating: NEMA 6





Poles	Max. Current per Contact	Max. Voltage	Cable Type	Cable Jacket (Cable Code)	Wire Size	Length	Female Straight		Female Right Angle	
							Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
3 pole/1 LED  1 - Brown 3 - Blue 4 - Black	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	8030P0E03M020	120067-5227	8030P1E03M020	120067-5067
				PUR/PVC (P03)			8030P0P03M020	120067-5008	8030P1P03M020	120067-5069
			LSOH, UL 21198	PUR (H09)			8030P0H09M020	120067-8328	8030P1H09M020	120067-8308
			PLTC-ER	TPE (K05)			8030P0K05M020	120067-5228	8030P1K05M020	120067-0198
4 pole/1 LED  1 - Brown 2 - White 3 - Blue 4 - Black	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	8040P0E03M020	120067-5094	8040P1E03M020	120067-5014
				PUR/PVC (P03)			8040P0P03M020	120067-5063	8040P1P03M020	120006-0618
			LSOH, UL 21198	PUR (H09)			8040P0H09M020	120067-8327	8040P1H09M020	120067-8309
			PLTC-ER	TPE (K05)			8040P0K05M020	120067-5230	8040P1K05M020	120067-5232

Note: Sales drawings for all standard order numbers are available on molex.com

Configuration Code*
Build-a-Part Number

	Length	Code
Meters	2	M020
	5	M050
	10	M100

8030P0E03M0208

Coupling Nut Option
Stainless Steel 8

Cable Code

*Once an engineering number is created using the configuration code, consult Molex tech support for information regarding any part numbers.