

## 4, 5 and 8-Wire eurofast <sup>®</sup> Field Wireable Connectors, Standard and Reverse Key

- Straight Female Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	B 8141-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	3
	B 8141-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	2
	B 8151-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	3 5
2.126 [54.0] APPROX  M12x1	BM 8151-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals Metal Coupling Nut 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	2
	BWS 8141-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals Metal Coupling Nut 85°C 250 V, 4 A	Mates with <u>reverse</u> key 4-pin cordsets and receptacles	3 - 1
	BWS 8151-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with <u>reverse</u> key 5-pin cordsets and receptacles	3 - 5
	B 8181-0	Nylon, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 60 VAC/75 VDC, 2 A	Mates with standard key 8-pin cordsets and receptacles	5 6 7 6 9 0 1 3 2 8



## 4 and 5-Wire eurofast ® Field Wireable Connectors, Standard and Reverse Key

- Right Angle Female Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	В 8241-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	3-(
1.378 [35.0]	B 8241-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	2
	B 8251-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	3 5
	BWS 8251-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with r <u>everse</u> key 5-pin cordsets and receptacles	3 - 1



## 4, 5 and 8-Wire eurofast® Field Wireable Connectors, Standard and Reverse Key

- Straight Male Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	BS 8141-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	1 - 0 0 3
	BS 8141-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	2
2.402 [61.0] APPROX	BS 8151-0/PG 9	PBT, Black PG 9 cable gland, accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	5 4
M12x1	BS 8157-0/PG 9	PBT, Black PG 9 cable gland, accepts 6-8 mm cable diameter Spring clamp accepts up to 20 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles, spring clamp	2
	BSWS 8141-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with <u>reverse</u> key 4-pin cordsets and receptacles	1 - 3
	BSWS 8151-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with <u>reverse</u> key 5-pin cordsets and receptacles	1 - 2
	BS 8181-0	Nylon, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 60 VAC/75 VDC, 2 A	Mates with standard key 8-pin cordsets and receptacles	7 6 5 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6



# 4, 5 and 8-Wire eurofast <sup>®</sup> Field Wireable Connectors, Standard and Reverse Key

- Right Angle Male Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	BS 8241-0	PBT, Black PG 7 cable gland accepts 4-6 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	1 0 3 3
	BS 8241-0/PG 9	PBT, Black PG 9 cable gland accepts 6-8 mm cable diameter Screw terminals 85°C 250 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	2
1.651 [41.9]	BS 8251-0/PG 9	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with standard key 5-pin cordsets and receptacles	1 000 3
	BSWS 8241-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 250 V, 4 A	Mates with <u>reverse</u> key 4-pin cordsets and receptacles	1 - 3
	BSWS 8251-0	PBT, Black PG 9 cable gland accepts 4-8 mm cable diameter Screw terminals accepts up to 18 AWG conductors 85°C 125 V, 4 A	Mates with <u>reverse</u> key 5-pin cordsets and receptacles	1 000 3



## 4-Wire *eurofast* <sup>®</sup> Field Wireable Connectors, M18 Cable Glands

- Straight and Right Angle Female Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
2.520 [64.0] APPROX M18x1	B 8141-M18	PA, Black, M18 cable gland accepts 6-8 mm cable diameter Screw terminals accepts ups to 16 AWG conductors 85°C 250 V, 16 A	4-pin M18 thread	3-4-1
1.782 [45.3] M18x1	B 8241-M18	PA, Black, M18 cable gland accepts 6-8 mm cable diameter Screw terminals accepts ups to 16 AWG conductors 85°C 250 V, 16 A	4-pin M18 thread	3-4-1



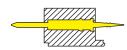
### 4 and 5-Wire eurofast ® Field Wireable Connectors, IAC

- Male and Female Connectors
- Insulation Avoidance Technology
- No Conductor Stripping Required
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
1.713 [43.5] APPROX M12x1	B 8145-0	Nylon Accepts 4-6 mm cable dia. Accepts 20-26 AWG conductor (conductor diameter 1-1.6 mm) Insulation Avoidance 90°C 125 VAC/150 VDC, 4 A	Mates with standard key 4-pin cordsets and receptacles	3 - 1
	B 8155-0	Nylon Accepts 4-6 mm cable dia. accepts 20-26 AWG conductor (conductor diameter 1-1.6 mm) Insulation Avoidance 90°C 30 VAC/ 36 VDC, 4 A	Mates with standard key 5-pin cordsets and receptacles	3 1
1.710 [43.4] APPROX M12x1	BS 8145-0	Nylon Accepts 4-6 mm cable dia. Accepts 20-26 AWG conductor (conductor diameter 1-1.6 mm) Insulation Avoidance 90°C 125 VAC/150 VDC, 4 A	Mates with standard key 4-pin cordsets and receptacles	1 0 3
	BS 8155-0	Nylon Accepts 4-6 mm cable dia. accepts 20-26 AWG conductor (conductor diameter 1-1.6 mm) Insulation Avoidance 90°C 30 VAC/ 36 VDC, 4 A	Mates with standard key 5-pin cordsets and receptacles	1 000 3

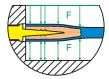
#### **IAC Pointed Contact**



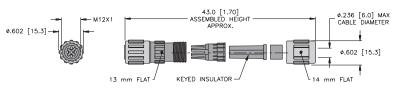
#### Unstripped wire in elastic "cable clamp"



Electrical connection is made without cutting the cable insulation and the large surface area of the contact provides a superior electrical connection



#### Assembly





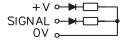
## 4-Wire eurofast ® Field Wireable Connectors with LED's

- Male and Female Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
2.227 [56.6] APPROX M12x1	B 8141-P7X2-0	PBT, Clear, Accepts 4-6 mm cable diameter accepts 20-26 AWG (conductor diameter 1-1.6 mm) Insulation Avoidance 85°C 250 V 4 A	Mates with standard key 4-pin cordsets and receptacles, 2 LED's - Signal and Power	3 1
2.441 [62.0] APPROX M12x1	BS 8141-P7X2-0	PBT, Clear, Accepts 4-6 mm cable diameter accepts 20-26 AWG (conductor diameter 1-1.6 mm) Insulation Avoidance 85°C 250 V 4 A	Mates with standard key 4-pin cordsets and receptacles, 2 LED's - Signal and Power	1 - 3

### Wiring Diagram





## 4-Wire *eurofast* <sup>®</sup> Field Wireable Connectors, IDC

- Male and Female Connectors
- Insulation Displacement Technology
- No Conductor Stripping Required
- IEC IP 67 Protection





Drawing	Part Number	Housing Specs.	Application	Pinout
2.049 [52.0] APPROX  0.579 [14.7]  M12x1	B 8146-0	Nickel Plated Brass Accepts 4-5 mm cable diameter IDC, accepts 26 to 22 AWG conductors 85°C 32 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	4
1.921 [48.8] APPROX M12x1	В 8346-0	Nickel Plated Brass Accepts 5.5-8.5 mm cable diameter IDC, accepts up to 18 AWG conductors 85°C 50 V, 6 A	Mates with standard key 4-pin cordsets and receptacles	3 2
2.140 [54.3] APPROX 0.579 [14.7]	BS 8146-0	Nickel Plated Brass Accepts 4-5 mm cable diameter IDC accepts 26 to 22 AWG conductors 85°C 32 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	4
2.055 [52.2]	BS 8346-0	Nickel Plated Brass Accepts 5.5-8.5 mm cable diameter IDC accepts up to 22 AWG conductors 85°C 50 V, 6 A	Mates with standard key 4-pin cordsets and receptacles	1 0 3
1.551 [39.4] APPROX 0.579 [14.7]	B 8246-0	Nickel Plated Brass Accepts 4-5 mm cable diameter IDC accepts 26 to 22 AWG conductors 85°C 32 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	3 2
1.551 [39.4] APPROX 1.575 [40.0]	BS 8246-0	Nickel Plated Brass Accepts 4-5 mm cable diameter IDC accepts 26 to 22 AWG conductors 85°C 32 V, 4 A	Mates with standard key 4-pin cordsets and receptacles	1 0 3

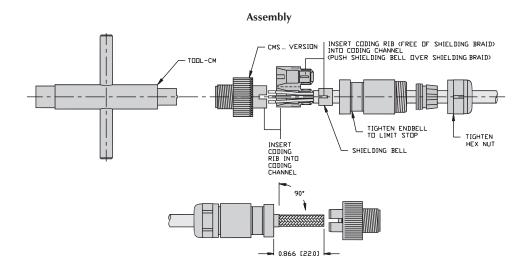


## 4 and 5-Wire eurofast ® Field Wireable Connectors, Shielded, Solder Cup

- Male and Female Connectors
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
1.988 [50.5] APPROX  M12x1	CM 8141-0	Nickel Plated Brass Cable gland, accepts 4-6.5 mm cable dia. Solder Cup accepts up to 18 AWG conductors 125° C 125 V, 4 A	Metal, fully shielded Mates with standard key 4-pin cordsets and receptacles	3 - 1
	CM 8151-0	Nickel Plated Brass Cable gland accepts 4-6.5 mm cable dia. Solder Cup accepts up to 18 AWG conductors 125° C 30 VAC/36 VDC, 8.0 A	Metal, fully shielded Mates with standard key 5-pin cordsets and receptacles	3 5
2.087 [53.0] APPROX M12×1	CMS 8141-0	Nickel Plated Brass Cable gland accepts 4-6.5 mm cable dia. Solder Cup accepts up to 18 AWG conductors 125° C 125 V, 4 A	Metal, fully shielded Mates with standard key 4-pin cordsets and receptacles	1
	CMS 8151-0	Nickel Plated Brass Cable gland accepts 4-6.5 mm cable dia. Solder Cup accepts up to 18 AWG conductors 125° C 30 VAC/36 VDC, 8.0 A	Metal, fully shielded Mates with standard key 5-pin cordsets and receptacles	1 000 3





## 4, 5 and 8-Wire *eurofast* <sup>®</sup> Field Wireable Connectors, Shielded, Screw Terminals

- Female Connectors
- Screw Terminals
- No Soldering Required
- IEC IP 67 Protection



Drawing	Part Number	Housing Specs.	Application	Pinout
	CMB 8141-0	Nickel Plated Brass PG9 cable gland accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 250 V, 4 A	Metal, fully shielded Mates with standard key 4-pin cordsets and receptacles	31
2.260 [57.4]	CMB 8151-0	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A	Metal, fully shielded Mates with standard key 5-pin cordsets and receptacles	3 - 1
	CMB 8181-0	Nickel Plated Brass PG9 cable gland accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 60 VAC/75 VDC, 4 A	Metal, fully shielded Mates with standard key 4-pin cordsets and receptacles	5 6 7 0 0 1 1 3 2
2.126 [54.0] APPROX APPROX  9.708 [18.0]	CMB 8241-0	Nickel Plated Brass PG9 cable gland accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 250 V, 4 A	Metal, fully shielded Mates with standard key 4-pin cordsets and receptacles	3 1
	CMB 8251-0	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A	Metal, fully shielded Mates with standard key 5-pin cordsets and receptacles	31



## 4, 5 and 8-Wire eurofast ® Field Wireable Connectors, Shielded, Screw Terminals

- Male Connectors
- Screw Terminals
- No Soldering Required
- IEC IP 67 Protection





Drawing	Part Number	Housing Specs.	Application	Pinout
	CMBS 8141-0	Nickel Plated Brass PG9 cable gland accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 250 V, 4 A	Metal, Fully Shielded Mates with standard key 4-pin cordsets and receptacles	1 - 3
2.440 [62.0] APPROX 0.768 [19.5]	CMBS 8151-0	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A	Metal, Fully Shielded Mates with standard key 5-pin cordsets and receptacles	1 000 3
	CMBS 8181-0	Nickel Plated Brass PG9 cable gland accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 60 VAC/75 VDC, 4 A	Metal, Fully Shielded Mates with standard key 8-pin cordsets and receptacles	6 7 1 0 0 1 8 3
2.126 [54.0] APPROX. 0.708 [18.0]	CMBS 8241-0	Nickel Plated Brass PG9 cable gland accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 250 V, 4 A	Metal, Fully Shielded Mates with standard key 4-pin cordsets and receptacles	1 - 3
	CMBS 8251-0	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A	Metal, Fully Shielded Mates with standard key 5-pin cordsets and receptacles	1 2 3



## 5-Wire *eurofast* <sup>®</sup> Field Wireable Connectors, Reverse Key

- Male and Female Connectors
- IEC IP 67 Protection





Drawing	Part Number	Housing Specs.	Application	Pinout
2.260 [57.4]	BMWS 8151-0/9	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A	Metal, fully shielded Mates with <u>reverse</u> key 5-pin cordsets and receptacles	3 - 5 1
1.413 [35.9] APPROX  0.770 [19.6]  M12x1  APPROX  0.708 [18.0]	BMWS 8251-0/9	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A		3 - 5 1
2.440 [62.0]	BMSWS 8151-0/9	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A		1 000 3
2.126 [54.0] APPROX.  0.708 [18.0]	BMSWS 8251-0/9	Nickel Plated Brass PG9 cable gland, accepts 6-8 mm cable diameter Screw terminal accepts up to 18 AWG conductors 85°C 125 V, 4 A		1 - 0 3