

Connector BCC IP 69K-Ecolab

Food-safe stainless steel housing and certified resistance against aggressive chemicals and cleaning agents make Balluff BCC-IP-69K connectors the first choice for wet and hygienic applications in the pharmaceutical and food industry. Additional tests for resistance to hydrogen peroxide complete the application profile. The highest sealing quality to IP 69K as well as certifications by Ecolab guarantee the best quality for a long service life and process reliability.

Features

- IP 69K: Highest leakproofness
- Ecolab: Resistant to aggressive cleaning and disinfecting agents
- Resistant to hydrogen peroxide (H₂O₂)
- Screw connection made of stainless steel
- Certification to UL

H₂O₂ resistant
ECOLAB



Connector diagram and wiring

PUR, black	2 m
PUR, black	3 m
PUR, black	5 m
PUR, black	10 m
PUR, black	15 m
PUR, black	20 m
PUR, black	25 m
PUR, black	40 m
PVC, gray, black	5 m
PVC, gray, black	10 m
PVC, gray, black	15 m
PVC, gray, black	20 m
PVC, gray, black	25 m
PVC, gray	30 m
PVC, gray	35 m
Supply voltage AC U _S	
Supply voltage DC U _S	
Cable	
Number of conductors × conductor cross-section	
Enclosure rating per IEC 60529	
Ambient temperature T _a	PUR
Static/moving	PVC
Use	
LED	

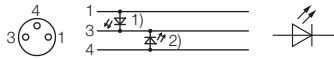
Other cable materials, colors and lengths on request.
Connectors without LED are suitable for PNP and NPN switching functions.
NPN versions with LED on request.



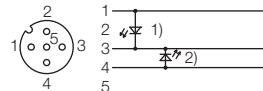
Special properties

IP 69K – Ecolab

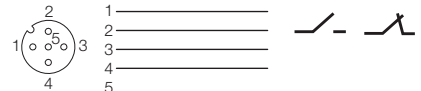
M8 female, M12 female, 3 and 4-pin



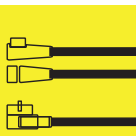
¹⁾ Green LED = Power
²⁾ Yellow LED = Function



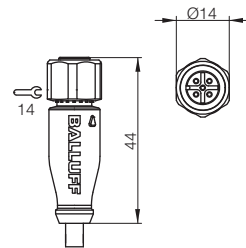
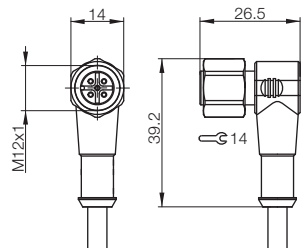
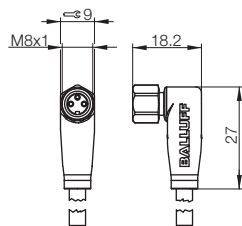
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BCC08CZ	BCC08CM	
BCC0A2F	BCC08CN	
BCC08E0	BCC08CP	
BCC0A2H	BCC08CR	
	BCC06UE	
	BCC06UF	
	BCC06UH	
	BCC06UJ	
	BCC0A2L	
	BCC0A2M	BCC06M7
	BCC06U9	BCC06M8
	BCC06UA	BCC06M9
	BCC06UC	BCC06MA
		BCC06MC
		BCC06ME
		250 V AC
30 V DC	30 V DC	250 V DC
Molded	Molded	Molded
3x0.34 mm ²	3x0.34 mm ²	4x0.34 mm ²
IP 69K	IP 69K	IP 69K
-40...+90 °C/-25...+90 °C (UL 80 °C)	-40...+90 °C/-25...+90 °C (UL 80 °C)	-40...+105 °C/-5...+105 °C (UL 80 °C)
	-40...+105 °C/-5...+105 °C (UL 80 °C)	
	Normally open (NO) / -	Complementary (NO/NC) / - / -
2x (PNP), green, yellow	2x (PNP), green, yellow	



Special properties
High-temperature resistant
IP 69K–Ecolab
Weld Spatter Resistant
PUR Cables
Y Connectors, Weld Spatter Resistant
Cable for harsh environments



Special properties
IP 69K – Ecolab
M12 female, 4-pin

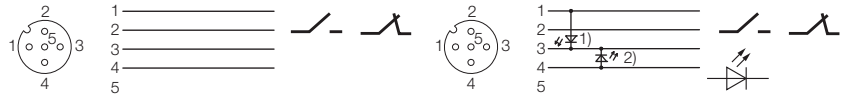
M12

IP 69K

H₂O₂ resistant
ECOLAB



Connector diagram and wiring



¹⁾ Green LED = Power
²⁾ Yellow LED = Function

PUR, black	5 m		BCC08CU
PUR, black	10 m		BCC0A2K
PVC, gray, black	5 m		BCC0CTE
PVC, gray, black	10 m	BCC06MF	BCC0CTC
PVC, gray, black	15 m	BCC06MH	BCC0CTA
PVC, gray, black	20 m	BCC06MJ	BCC0CT9
PVC, gray, black	25 m	BCC06MK	BCC0CT8
PVC, gray	30 m	BCC06ML	
PVC, gray	35 m	BCC06MM	
Supply voltage AC U _S	250 V AC		
Supply voltage DC U _S	250 V AC		30 V DC
Cable	Molded		Molded
No. of wires × conductor cross-section	4×0.34 mm ²		4×0.34 mm ²
Enclosure rating per IEC 60529	IP 69K		IP 69K
Ambient temperature T _a	PUR	-40...+90 °C/-25...+90 °C (UL 80 °C)	
Static/moving	PVC	-40...+105 °C/-5...+105 °C (UL 80 °C)	
Use	Complementary (NO/NC) \swarrow / \nearrow		Complementary (NO/NC) \swarrow / \nearrow
LED			2× (PNP), green, yellow

Other cable materials, colors and lengths on request.

Connectors without LED are suitable for PNP and NPN switching functions.

NPN versions with LED on request.

