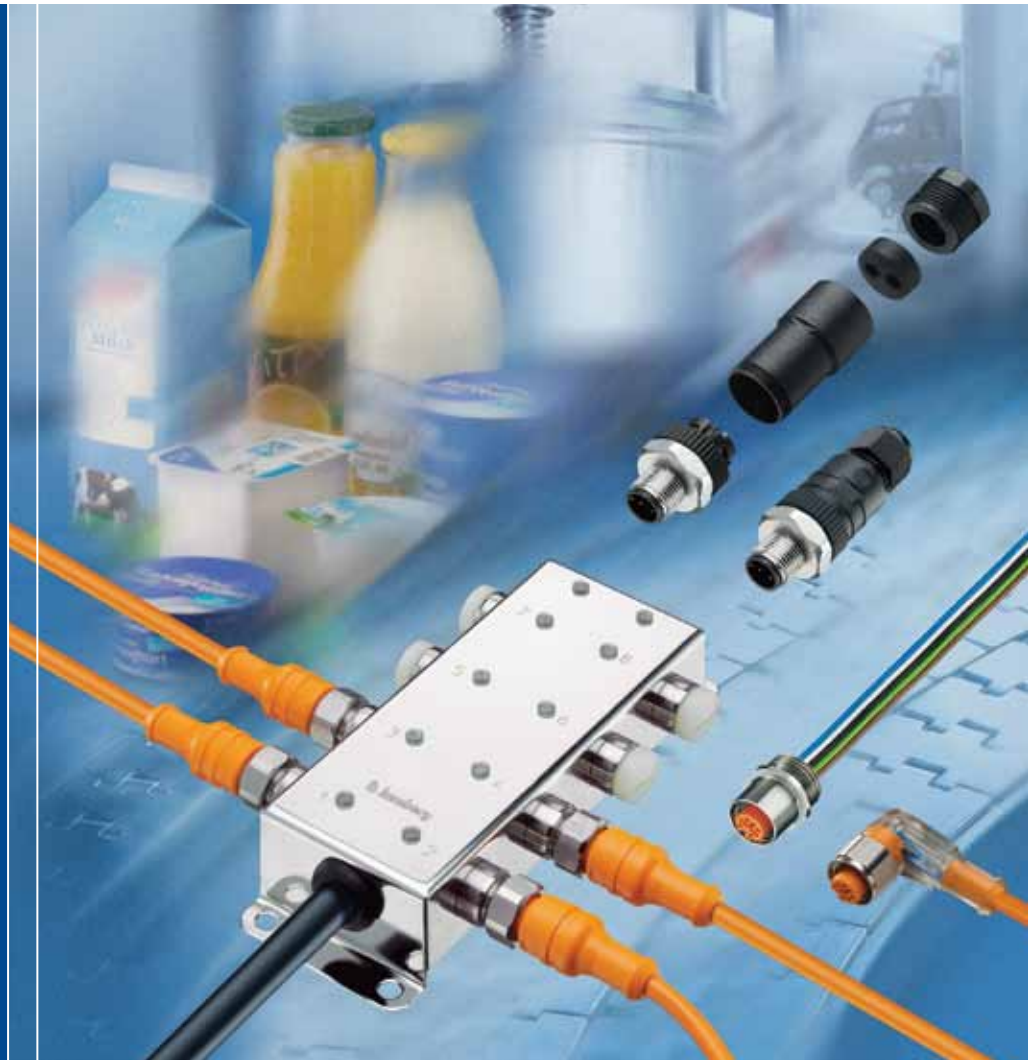


Connectivity Solutions for Food & Beverage Applications



**Meeting the Needs
of Harsh Industrial
and Mission-critical
Environments**

Lumberg Automation™ Products are Designed to Meet the Specific Needs of the Food and Beverage Industry

Quality, reliability, and long-term stability are the hallmarks of the Lumberg Automation Food and Beverage product line.

Built-to-perform in tough industrial manufacturing environments

Food and beverage machinery manufacturers contend with strict government regulations while meeting compliance standards and customer expectations. The food and beverage product line from Lumberg Automation is designed to meet these demands.

IP 69K Rated for High Pressure and Temperature Wash Downs

These products are dust tight and are protected against the effects of continuous immersion in water (IP 68) up to 24 hours and can withstand high-pressure, high-temperature wash-downs/steam cleaning IP 69K rating as specified by DIN 40050-9. Consult Lumberg Automation for specified immersion depth and PSI standards.

Grade 316L (V4A) Stainless Steel Material

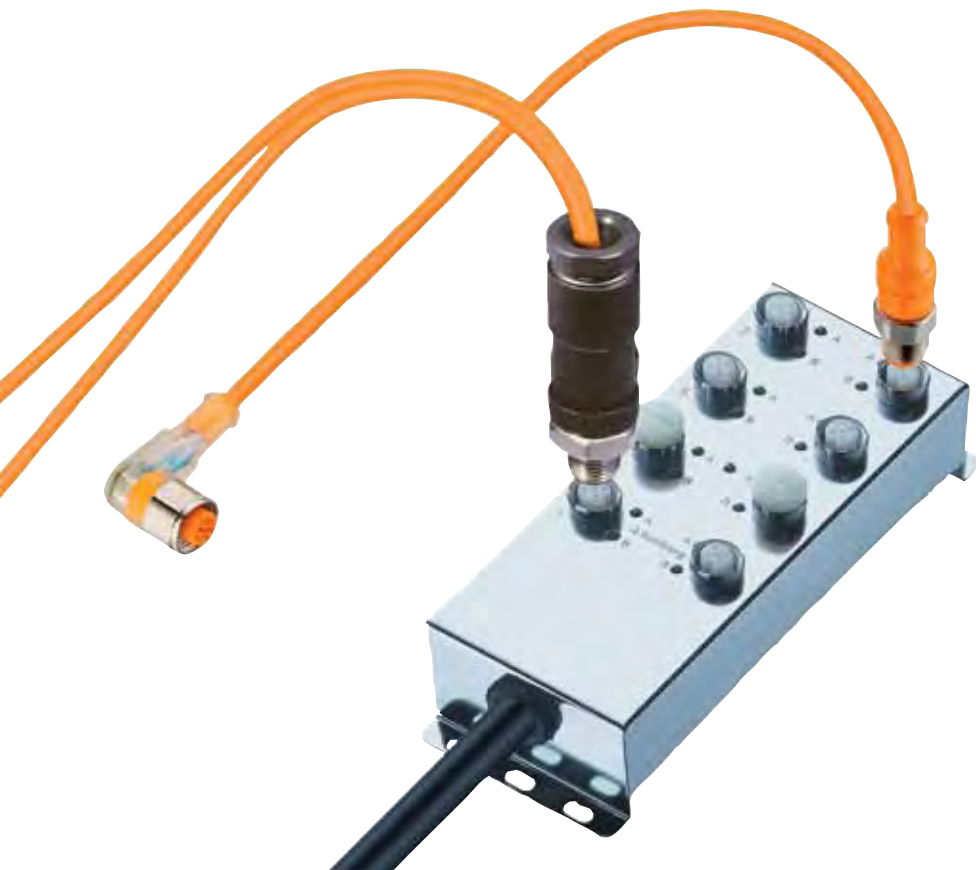
Grade 316L (V4A) stainless steel material is immune from sensitization (grain boundary carbide precipitation) and has excellent corrosion resistant properties, particularly higher resistance to pitting and crevice corrosion in chloride environments and is used on all the junction box housings, receptacle shells, and coupling nuts.

PVC (polyvinyl chloride) Material for Cable Jacket and Inserts

PVC material provides excellent resistance to chemicals and other harsh cleaning agents and is used on all the cable jackets and receptacle inserts.

Design Considerations

- Junction box back plane has a raised surface to facilitate cleaning underneath, which prevents the build-up of food particles and calcium deposits.
- Top or side mount input/output connections.
- The receptacle shell and coupling nuts have smooth surfaces which protect against build-up of food particles and calcium deposits.
- Junction boxes are equipped with LEDs (light emitting diodes), to assist in detecting the state of circuit.
- Improved circuitry, now permits the connection of up to 16 sensor connections.





Product Roundup

The Lumberg Automation line of food and beverage connectivity products has earned a solid reputation in the industry for space saving designs, long-term stability, and faster startup. Key products for the food and beverage machine builder and design engineer include:

Junction Boxes

Micro M12, Junction Box with stainless steel housing with built-in LED's (PnP), PVC inserts and home run cable (black).

- 8 Port, Top Entry, 5 Pole, Two Signals Per Port
[ASNBV 8/LED 5-278/...M](#)
- 8 Port, Side Entry, 4 Pole, One Signal Per Port
[ASNBL 8/LED 5-4-320/...M](#)

Cordsets

Micro M12 Single-Ended Cordsets with stainless steel threads, PVC inserts and orange overmold jacket.

- Male Straight, 4 Pole
[PRST 4-07/...M](#)
- Female Straight, 4 and 5 Pole
[PRKT 4-07/...M](#)
[PRKT 5-56/...M](#)
- Female 90°, 4 and 5 Pole
[PRKWT 4-07/...M](#)
[PRKWT 5-56/...M](#)
[PRKWT/LED P 4-07/...M](#)

Micro M12 Double-Ended Cordsets with stainless steel threads, PVC inserts and orange overmold jacket.

- Male Straight to Female Straight, 4 Pole
[PRST 4-PRKT 4-07/...M](#)
- Male Straight to Female 90°, 4 Pole
[PRST 4-PRKWT 4-07/...M](#)
[PRST 4-PRKWT/LED 4-07/...M](#)

Receptacles

Micro M12 Receptacles with stainless steel hardware, 0.5M wire leads or solder contacts.

- Female Straight with Wire Leads, 4, 5 and 8 Pole
[PRKFM 4/0.5M](#)
[PRKFM 5/0.5M](#)
[PRKFM 8/0.5M](#)

Technical Characteristics	Junction Boxes	Cordsets	Receptacles	Field Attachables
Operating Temperature	-25°C to +70°C	-25°C to +70°C	-25°C to +70°C	-25°C to +90°C
Housing/Molded Body	stainless steel	PVC	stainless steel	PBT
Inserts	PVC	PVC	PBT	PBT
Contacts	CuZn, pre-nickel and 0.3 microns gold-plated	CuZn, pre- nickel and 0.3 microns gold- plated	CuZn, pre-nickel and 0.3 microns gold-plated	CuZn, pre-copper, CuSnZn 8 poles pre-nickel, gold-plated
O-Ring			EPDM	FKM
Receptacle Shell	stainless steel	stainless steel		stainless steel
Degree of Protection	IP 67 / IP 69K	IP 67 / IP 69K	IP 67	IP 67
Contact Resistance	≤ 5m Ω	≤ 5m Ω	≤ 5m Ω	≤ 5m Ω
Current Rating	4 A per outlet / 12 A max. total	4 A	4-5 poles: 4 A 8 poles: 2 A	4-5 poles: 4 A 8 poles: 2 A
Voltage Rating	10-30 V DC	4 poles 240 V 5 poles 60 V	4 poles: 250 V 5 poles: 63 V 8 poles: 36 V	4 poles: 250 V 5 poles: 63 V 8 poles: 36 V
Accessories				
Dust Covers	PZVK			
Standard Cable Lengths	5M, 10M, 15M	SE: 5M, 10M, 25M DE: 2M and 5M	0.5M	

- Male Straight with Wire Leads
4, 5 and 8 Pole
[PRSFM 4/0.5M](#)
[PRSFM 5/0.5M](#)
[PRSFM 8/0.5M](#)
- Male Straight with Solder Contacts
4 and 5 Pole
[PRSFM 4](#)
[PRSFM 5](#)
- Male Straight and 90°
4, 5 and 8 Pole with PG7 or PG9 Threads
[RSCN 4/7](#) [RSCWN 4/7](#)
[RSCN 4/9](#) [RSCWN 4/9](#)
[RSCN 5/7](#) [RSCWN 5/7](#)
[RSCN 5/9](#) [RSCWN 5/9](#)
[RSCN 8/7](#)
[RSCN 8/9](#)

Field Attachables

Micro M12 Field Attachable Connectors with stainless steel hexagon threaded joint, screw terminals and PVC inserts.

- Female Straight and 90°
4, 5 and 8 Pole with PG7 or PG9 Threads
[RKCN 4/7](#) [RKAWN 4/7](#)
[RKCN 4/9](#) [RKAWN 4/9](#)
[RKCN 5/7](#) [RKAWN 5/7](#)
[RKCN 5/9](#) [RKAWN 5/9](#)
[RKCN 8/7](#)
[RKCN 8/9](#)



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AMERICAS

Belden Americas
1540 Orchard Drive
Chambersburg, PA 17201
Phone: 717-217-2299
Fax: 717-217-2279
www.lumberg-automationusa.com
la.us-info@belden.com

EUROPE/AFRICA/MIDDLE EAST (EMEA)

Belden Deutschland GmbH
Im Gewerbepark 2
58579 Schalksmühle
GERMANY
Phone: +49-2355-8301
Fax: +49-2355-83-3 33
www.lumberg-automation.com