



Food & Beverage connectivity in Hygienic Design is tailor-made for applications in the food- and beverage industry meeting all important requirements of this challenging sector.

F&B hygienic

Round connectors M12x1
in Hygienic Design

following EHEDG design
requirements

FDA-conform materials

ECOLAB tested

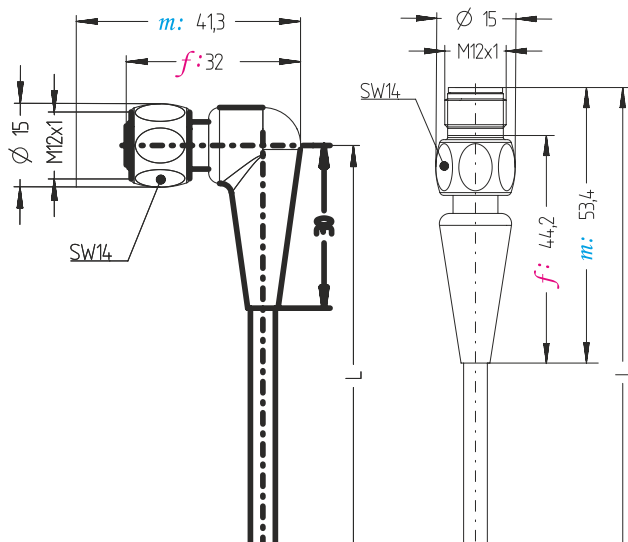
stainless-steel locking nut with
vibration resistance

LED-versions

IP67, IP69K

Quality TPE / S3930

Flexible PVC-free polypropylene cable (light grey, similar RAL 7035) with great strength against highly effective detergents of the Food&Beverage industry. In addition, good microbes- and chemicals resistance and suitable for drag-chain applications. Well adapted for use in food industry, packaging-, bottling plants as well as industrial machinery- and plant.



Adapter A/F14 for torque wrench



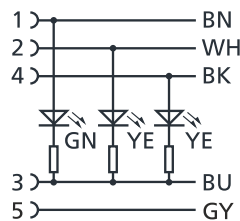
M12x1

Food & Beverage hygienic PVC_free_M12x1 Connecting cable

Technical data	Pin	Value
Rated voltage [U max]	5	60V
Current load [I max]	5	4A
Insulation resistance		$\geq 10^8 \Omega$
Standards		IEC61076-2-101
Materials	Grip	PP, grey LED-Version: transparent
	Contact carrier	PP, grey
	Sealing (female)	FPM/FKM
	Contacts	CuZn, gold plated
	Locking mechanism	V4A
Ambient temperature		-40°C...+105°C
Degree of pollution		3
Protection class (installed)		IP67, IP69K
Mechanical life cycle		>100 mating cycles
Cable strand		5 x 0,34 mm ²
Encoding A		LED-Version
female 5-pole		4.5P3



1BN | 2WH | 3BU | 4BK | 5GY



Connecting cable straight

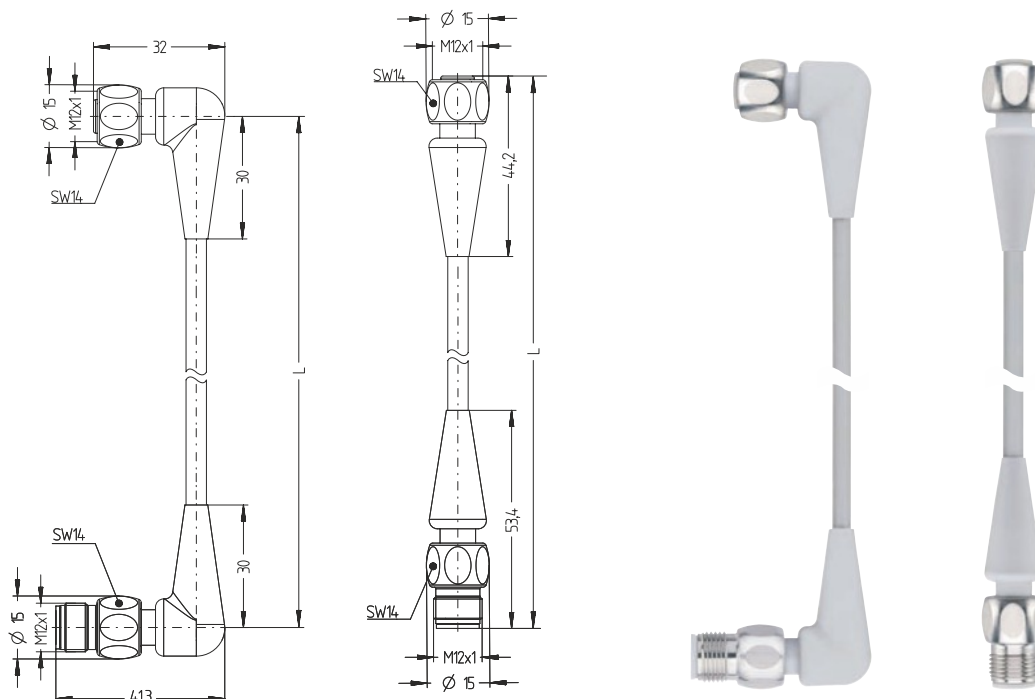
S0112-00175	FB-WAKH4.5-2/S3930	(2m)
S0112-00174	FB-WAKH4.5-5/S3930	(5m)
S0112-00176	FB-WAKH4.5-10/S3930	(10m)
S0112-00177	FB-WAKH4.5-20/S3930	(20m)
S0112-00178	FB-WAKH4.5-30/S3930	(30m)
S0112-00208	FB-WAKH4.5-50/S3930	(50m)

Connecting cable angled

S0112-00179	FB-WWAKH4.5-2/S3930	(2m)
S0112-00180	FB-WWAKH4.5-5/S3930	(5m)
S0112-00181	FB-WWAKH4.5-10/S3930	(10m)
S0112-00182	FB-WWAKH4.5-20/S3930	(20m)
S0112-00183	FB-WWAKH4.5-30/S3930	(30m)

Connecting cable with LED angled

S0112-00184	FB-WWAKH4.5P3-2/S3930	(2m)
S0112-00185	FB-WWAKH4.5P3-5/S3930	(5m)
S0112-00186	FB-WWAKH4.5P3-10/S3930	(10m)
S0112-00187	FB-WWAKH4.5P3-20/S3930	(20m)
S0112-00188	FB-WWAKH4.5P3-30/S3930	(30m)



Adapter A/F14 for torque wrench

Food & Beverage hygienic PVC_free_ M12x1 Junction Cable

Technical data		Pins	Value
Rated voltage	[U _{max}]	5	60V
Current load	[I _{max}]	5	4A
Insulation resistance			≥10 ⁸ Ω
Standards			IEC61076-2-101
Materials	Gripp		PP, grey
	Contact carrier		PP, grey
	Sealing (<i>female</i>)		FPM/FKM
	Contacts		CuZn, gold-plated
	Locking mechanism		V4A
Ambient temperature			-40°C...+105°C
Degree of pollution			3
Protection class (installed)			IP67, IP69K
Mechanical life cycle			>100 mating cycles
Cable strand			5 x 0,34 mm ²

Encoding A

female | 5-polig*male* | 5-polig

1BN | 2WH | 3BU | 4BK | 5GY

Junction cable

S0112-00195	FB-WAKH4.5-1-FB-WASH4.5/S3930	(1m)
S0112-00189	FB-WAKH4.5-2-FB-WASH4.5/S3930	(2m)
S0112-00190	FB-WAKH4.5-5-FB-WASH4.5/S3930	(5m)
S0112-00191	FB-WAKH4.5-10-FB-WASH4.5/S3930	(10m)

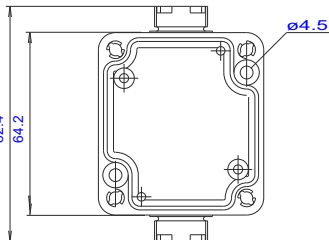
The electrical connection



PK 101 SV-211



Polymas-Housing Cable gland left / right



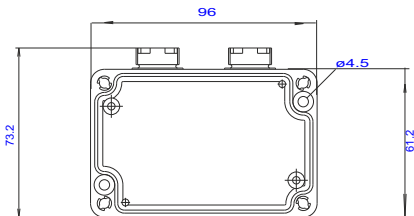
Technical Data

Order Code: PK 101 SV-211
Art.No. S0105-00001

PK 102 SV-211



Polymas-Housing Cable gland 2x onesided



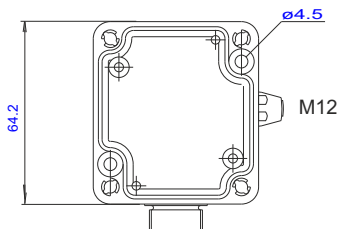
Technical Data

Order Code: PK 102 SV-211
Art.No. S0105-00013

KG-M12-UBFB02



Polymas-Housing Cable gland 2x onesided



Technical Data

Clamp housing with M12 socket, cable gland and plate for universal clamp holder

Order Code: KG-M12-UBFB02
Art.No. FP-00319

KGS-HD



Clamp Housing Hygienic Design



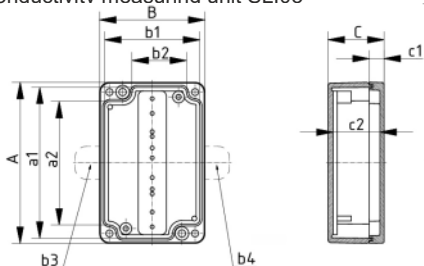
Technical Data

Further informations see data sheet

KGS



Clamp housing with 2-wire terminal block 7-pol. for the conductivity measuring unit SLI03



Technische Daten

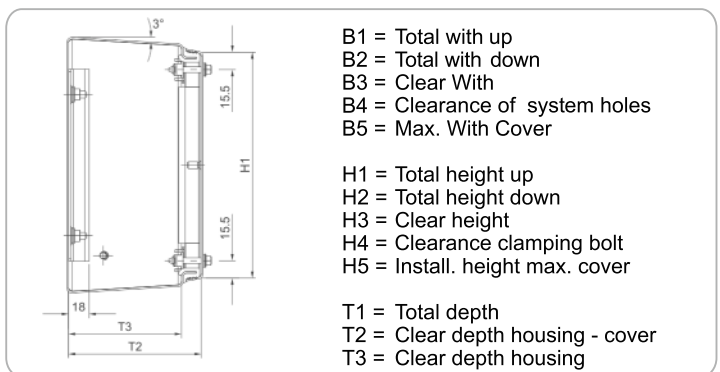
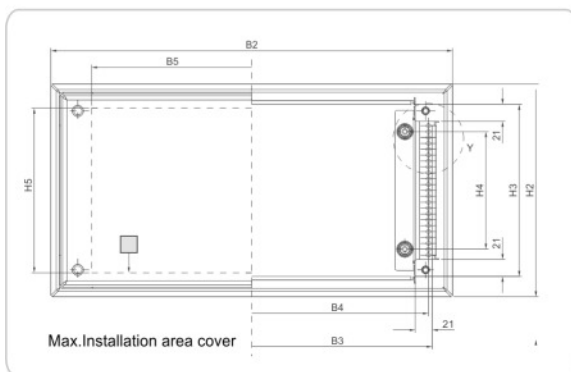
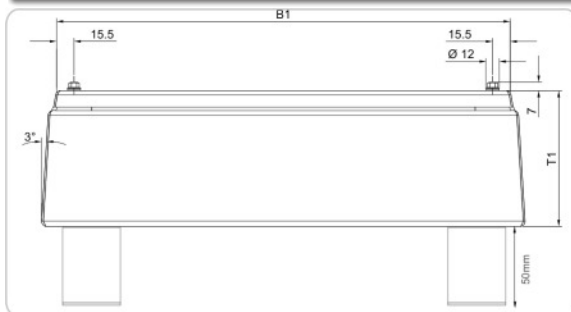
Further informations see data sheet

Basic Features

- ▶ Housing mad of high grade steel 1,5 mm; 1.4301 / 304 in hygienic design
- ▶ B x H x T = 150 x 150 x 80mm
- ▶ Housing & Cover, RA < 0,8µm with silicone compound, FDA conformal (21 CFR 177.2600)
- ▶ Protection class acc. to IEC 60 529: IP 68 (5 bar, 30 min)
- ▶ 35mm bar mit 10 pol.
- ▶ Clamp (prewired) 10 pol.+ PE
- ▶ Optional: Wall Spacer 50 mm
- ▶ Optional M12 5pol. / Cable Gland



Dimensional Drawing



With in mm					Height in mm					Depth in mm		
B1	B2	B3	B4	B5	H1	H2	H3	H4	H5	T1	T2	T3
150	171,3	138,2	125	90	150	171,3	138,2	75	125	80	77	59,5

Order Code KGS-HD

KGS-HD - - -

Cable / Plug Connection A

M 12 5 pole flange socket, high grade steel

M 16 hygienic cable gland high grade steel 1.4404, clamping 4,5-10mm

1F

M 16

Cable / Plug Connection B

M 12 5 pole flange socket, high grade steel

M 16 hygienic cable gland high grade steel 1.4404, clamping 4,5-10mm

1F

M 16

Cable / Plug Connection C

M 12 5 pole flange socket, high grade steel

M 16 hygienic cable gland high grade steel 1.4404, clamping 4,5-10mm

1F

M 16

Option

Wall Spacer 50mm, High grade steel

A

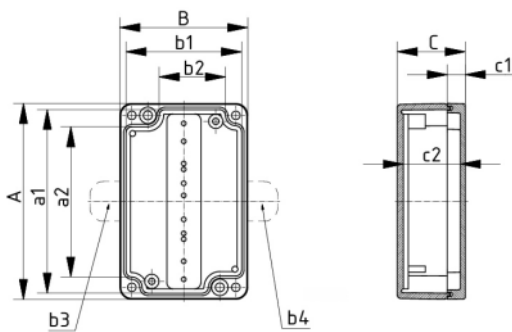
Stand 04/2015

Terminal housing with 2-wire terminal strip 10-pin for seli conductivity meters SLI 04

Basic Features

- ▶ Polymas enclosure with quick-release fastener and 4 moulded-on Pg 11
- ▶ Protection class IP 65/DIN EN 60529
- ▶ Scope of delivery: Lid and base, lid screws made of V2A, 4 moulded-on cable glands, Pg 11 including clamping cage, pressure screw and continuous sealing ring
- ▶ with pre-wired food & beverage connection cables

Dimensioned Drawing



A	98 mm	b2	24 mm
B	64 mm	b3	2 mm
C	34 mm	b4	2 mm
a1	91,4 mm	c1	9 mm
a2	74 mm	c2	28,5 mm
b1	57,4 mm		

Connection

BN	1	+ 18... VDC
WH	2	TX (not used)
BU	3	- GND
BK	4	IO-Link
GR	5	RX (not uses)
BN	6	+ mS/cm
WH	7	+ °C
BU	8	+ Digi; In1
BK	9	+ Digi; In2
GR	10	- °C/ms/Digl

A

B



Order Code KGS

KGS- - -

Type

Connection cable

without cable

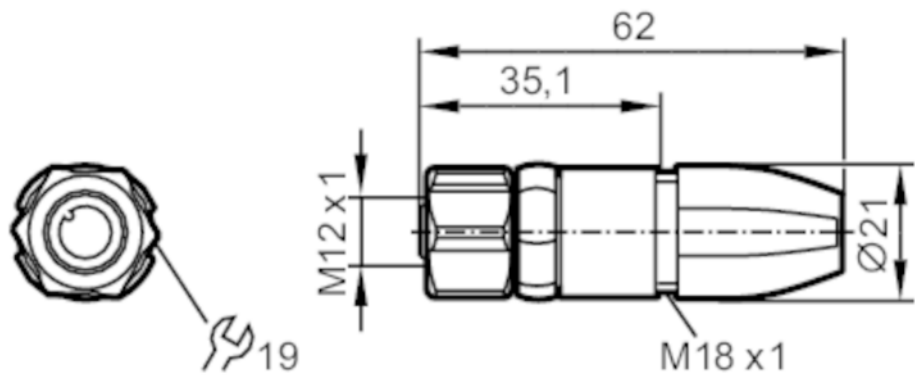
	1	2	
M12x1, 5-pole, straight cable: 1,0 m, F&B Hygienic with High-Gr.Steel nut	1G	1G	per wire
M12x1, 5-pole, straight cable: 2,0 m, F&B Hygienic with High-Gr.Steel nut	2G	2G	per wire
M12x1, 5-pole, straight cable: 5,0 m, F&B Hygienic with High-Gr.Steel nut	5G	5G	per wire
M12x1, 5-pole, straight cable: 10 m, F&B Hygienic with High-Gr.Steel nut	10G	10G	per wire
M12x1, 5-pole, straight cable: 20 m, F&B Hygienic with High-Gr.Steel nut	20G	20G	per wire
M12x1, 5-pole, angled cable: 1,0 m, F&B Hygienic with High-Gr.Steel nut	1W	1W	per wire
M12x1, 5-pole, angled cable: 2,0 m, F&B Hygienic with High-Gr.Steel nut	2W	2W	per wire
M12x1, 5-pole, angled cable: 5,0 m, F&B Hygienic with High-Gr.Steel nut	5W	5W	per wire
M12x1, 5-pole, angled cable: 10,0 m, F&B Hygienic with High-Gr.Steel nut	10W	10W	per wire
M12x1, 5-pole, angled cable: 20,0 m, F&B Hygienic with High-Gr.Steel nut	20W	20W	per wire

Stand 08/2025

EVF569

Wirable socket

SDOGH050VASFKPG

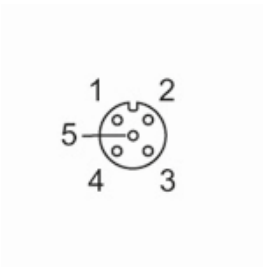


Application		
Design		straight
Application		hygienic and wet areas in the food industry
Free from silicone		yes
Electrical data		
Operating voltage	[V]	< 60 AC/DC
Protection class		II
Max. current load total	[A]	4; (...40 °C)
Operating conditions		
Ambient temperature	[°C]	-25...100
Protection		IP 65; IP 67; IP 68; IP 69K
Mechanical data		
Weight	[g]	42
Materials		PA 6.6 grey; Sealing EPDM
Material nut		stainless steel (1.4404 / 316L)
Remarks		
Pack quantity		1 pcs.
Electrical connection		
screw terminals: 0.25...1 mm²; Cable sheath: Ø 3.5...6 mm; AWG 23...17		
Electrical connection - socket		
Connector: 1 x M12, straight; Moulded body: PA 6.6, grey; Locking: stainless steel (1.4404 / 316L); Sealing: EPDM; Contacts: gold-plated; Tightening torque: 0.6...1.2 Nm; Take into account the maximum value of the counterpart!		

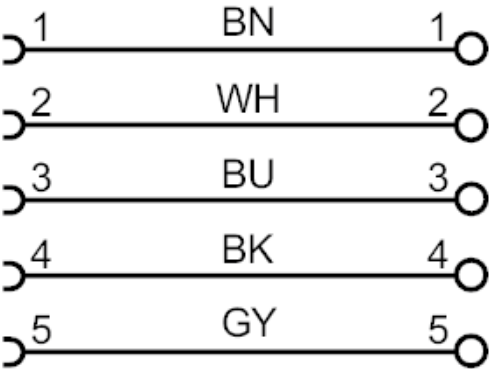
EVF569

Wirable socket

SDOGH050VASFKPG



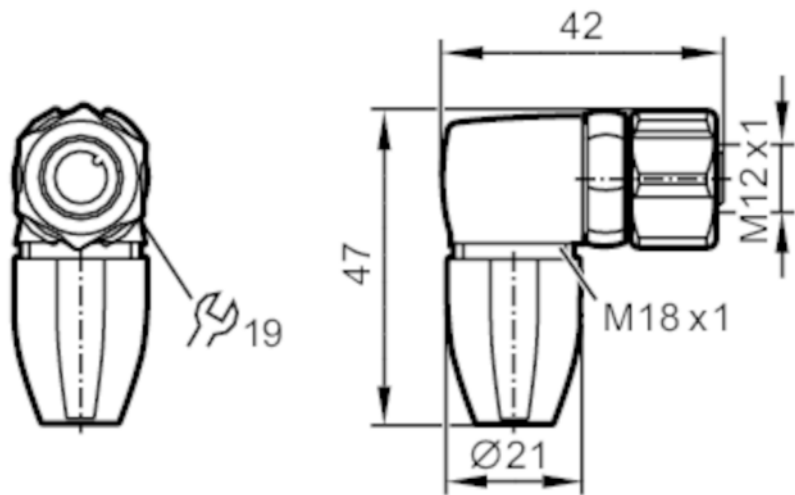
Connection



EVF570

Wirable socket

SDOAH050VASFKPG

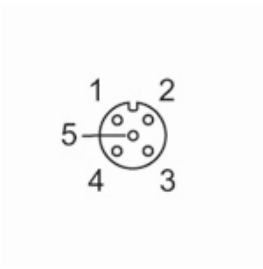


Application		
Design		angled
Application		hygienic and wet areas in the food industry
Free from silicone		yes
Electrical data		
Operating voltage	[V]	< 60 AC/DC
Protection class		II
Max. current load total	[A]	4; (...40 °C)
Operating conditions		
Ambient temperature	[°C]	-25...100
Protection		IP 65; IP 67; IP 68; IP 69K
Mechanical data		
Weight	[g]	43.2
Materials		PA 6.6 grey; Sealing EPDM
Material nut		stainless steel
Remarks		
Pack quantity		1 pcs.
Electrical connection		
screw terminals: 0.25...1 mm²; Cable sheath: Ø 3.5...6 mm; AWG 23...17		
Electrical connection - socket		
Connector: 1 x M12, angled; Moulded body: PA 6.6, grey; Locking: stainless steel; Sealing: EPDM; Contacts: gold-plated; Tightening torque: 0.6...1.2 Nm; Take into account the maximum value of the counterpart!		

EVF570

Wirable socket

SDOAH050VASFKPG



Connection

