


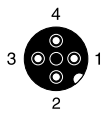

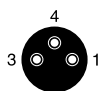

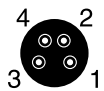

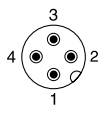

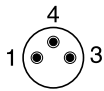

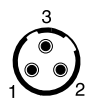


CONNECTIVITY

HIGHLIGHTS:

- ✓ Comprehensive cable and connector program
- ✓ IP 69K and Ecolab-tested cables for the food and beverage industry
- ✓ UL-approved cables and connectors
- ✓ Cables with straight or right-angle sockets
- ✓ Distribution boxes
- ✓ Field-attachable connectors
- ✓ T-connectors
- ✓ User-friendly standard portfolio

CABLES / CONNECTORS DESCRIPTION

SOCKET	TYPE	PIN ASSIGNMENT	TYPE
	M8 straight socket		M12 4-pole socket
	M12 straight socket		M8 3-pole socket
	M8 right angle socket		M8 4-pole socket
	M12 right angle socket		M12 4-pole plug
PLUG	TYPE	PIN ASSIGNMENT	TYPE
	M8 straight plug		M8 3-pole plug
	M12 straight plug		M12 3-pole dual key plug (S13)



example

CONNECTING CABLES PVC WITH OPEN ENDED WIRES

PART REFERENCE	SOCKET			CABLE	
	Size	Pins	Config.	Material	Length
S08-3FVG-020	M8	3-pole	straight	PVC	2 m
S08-3FVG-050	M8	3-pole	straight	PVC	5 m
S08-3FVG-100	M8	3-pole	straight	PVC	10 m
S08-3FVW-020	M8	3-pole	right angle	PVC	2 m
S08-3FVW-050	M8	3-pole	right angle	PVC	5 m
S08-3FVW-100	M8	3-pole	right angle	PVC	10 m
S08-4FVG-020	M8	4-pole	straight	PVC	2 m
S08-4FVG-050	M8	4-pole	straight	PVC	5 m
S08-4FVG-100	M8	4-pole	straight	PVC	10 m
S08-4FVW-020	M8	4-pole	right angle	PVC	2 m
S08-4FVW-050	M8	4-pole	right angle	PVC	5 m
S08-4FVW-100	M8	4-pole	right angle	PVC	10 m
S12-3FVG-020	M12	3-pole	straight	PVC	2 m
S12-3FVG-050	M12	3-pole	straight	PVC	5 m
S12-3FVG-100	M12	3-pole	straight	PVC	10 m
S12-3FVW-020	M12	3-pole	right angle	PVC	2 m
S12-3FVW-050	M12	3-pole	right angle	PVC	5 m
S12-3FVW-100	M12	3-pole	right angle	PVC	10 m
S12-4FVG-020	M12	4-pole	straight	PVC	2 m
S12-4FVG-050	M12	4-pole	straight	PVC	5 m
S12-4FVG-100	M12	4-pole	straight	PVC	10 m
S12-4FVW-020	M12	4-pole	right angle	PVC	2 m
S12-4FVW-050	M12	4-pole	right angle	PVC	5 m
S12-4FVW-100	M12	4-pole	right angle	PVC	10 m
S12-5FVG-020	M12	5-pole	straight	PVC	2 m
S12-5FVG-050	M12	5-pole	straight	PVC	5 m
S12-5FVG-100	M12	5-pole	straight	PVC	10 m
S12-5FVG-150	M12	5-pole	straight	PVC	15 m
S12-5FVG-250	M12	5-pole	straight	PVC	25 m
S12-5FVW-020	M12	5-pole	right angle	PVC	2 m
S12-5FVW-050	M12	5-pole	right angle	PVC	5 m
S12-5FVW-100	M12	5-pole	right angle	PVC	10 m

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CONNECTING CABLES PUR WITH OPEN ENDED WIRES

PART REFERENCE	SOCKET			CABLE	
	Size	Pins	Config.	Material	Length
S08-3FUG-020	M8	3-pole	straight	PUR	2 m
S08-3FUG-050	M8	3-pole	straight	PUR	5 m
S08-3FUG-100	M8	3-pole	straight	PUR	10 m
S08-3FUW-020	M8	3-pole	right angle	PUR	2 m
S08-3FUW-050	M8	3-pole	right angle	PUR	5 m
S08-3FUW-100	M8	3-pole	right angle	PUR	10 m
S08-4FUG-020	M8	4-pole	straight	PUR	2 m
S08-4FUG-050	M8	4-pole	straight	PUR	5 m
S08-4FUG-100	M8	4-pole	straight	PUR	10 m
S08-4FUW-020	M8	4-pole	right angle	PUR	2 m
S08-4FUW-050	M8	4-pole	right angle	PUR	5 m
S08-4FUW-100	M8	4-pole	right angle	PUR	10 m
S12-3FUG-020	M12	3-pole	straight	PUR	2 m
S12-3FUG-050	M12	3-pole	straight	PUR	5 m
S12-3FUG-100	M12	3-pole	straight	PUR	10 m
S12-3FUW-020	M12	3-pole	right angle	PUR	2 m
S12-3FUW-050	M12	3-pole	right angle	PUR	5 m
S12-3FUW-100	M12	3-pole	right angle	PUR	10 m
S12-4FUG-020	M12	4-pole	straight	PUR	2 m
S12-4FUG-050	M12	4-pole	straight	PUR	5 m
S12-4FUG-100	M12	4-pole	straight	PUR	10 m
S12-4FUG-150	M12	4-pole	straight	PUR	15 m
S12-4FUG-200	M12	4-pole	straight	PUR	20 m
S12-4FUG-250	M12	4-pole	straight	PUR	25 m
S12-4FUW-020	M12	4-pole	right angle	PUR	2 m
S12-4FUW-050	M12	4-pole	right angle	PUR	5 m
S12-4FUW-100	M12	4-pole	right angle	PUR	10 m
S12-4FUW-150	M12	4-pole	right angle	PUR	15 m
S12-4FUW-200	M12	4-pole	right angle	PUR	20 m
S12-4FUW-250	M12	4-pole	right angle	PUR	25 m
S12-5FUG-020	M12	5-pole	straight	PUR	2 m
S12-5FUG-050	M12	5-pole	straight	PUR	5 m
S12-5FUG-100	M12	5-pole	straight	PUR	10 m
S12-5FUG-150	M12	5-pole	straight	PUR	15 m
S12-5FUG-250	M12	5-pole	straight	PUR	25 m
S12-5FUG-150-NWSN	M12	5-pole	straight	PUR/shielded	15 m
S12-5FUG-250-NWSN	M12	5-pole	straight	PUR/shielded	25 m

PART REFERENCE	SOCKET			CABLE	
	Size	Pins	Config.	Material	Length
S12-8FUG-020	M12	8-pole	straight	PUR	2 m
S12-8FUG-050	M12	8-pole	straight	PUR	5 m
S12-8FUG-100	M12	8-pole	straight	PUR	10 m
S12-8FUG-020-NWSN	M12	8-pole	straight	PUR/shielded	2 m
S12-8FUG-050-NWSN	M12	8-pole	straight	PUR/shielded	5 m
S12-8FUG-100-NWSN	M12	8-pole	straight	PUR/shielded	10 m
S12-8FUG-150-NWSN	M12	8-pole	straight	PUR/shielded	15 m



example

CONNECTING CABLES PVC/TPE WITH OPEN ENDED WIRES FOR FOOD APPLICATIONS IP 69K

PART REFERENCE	SOCKET			CABLE	
	Size	Pins	Config.	Material	Length
S08-3FVG-020-NNLN	M8	3	straight	PVC	2 m
S08-3FVW-020-NNLN	M8	3	right angle	PVC	2 m
S12-4FAG-050-NNLN	M12	4	straight	TPE-S	5 m
S12-4FAG-100-NNLN	M12	4	straight	TPE-S	10 m
S12-4FAW-250-NNLN	M12	4	right angle	TPE-S	25 m
S12-4FVG-020-NNLN	M12	4	straight	PVC	2 m
S12-4FVG-050-NNLN	M12	4	straight	PVC	5 m
S12-4FVG-100-NNLN	M12	4	straight	PVC	10 m
S12-4FVW-020-NNLN	M12	4	right angle	PVC	2 m
S12-4FVW-100-NNLN	M12	4	right angle	PVC	10 m
S12-5FVG-020-NNLN	M12	5	straight	PVC	2 m
S12-5FVG-100-NNLN	M12	5	straight	PVC	10 m



example

CONNECTING CABLES PUR WITH OPEN ENDED WIRES FOR AC SENSORS (230 V MAX)

PART REFERENCE	SOCKET			CABLE	
	Size	Pins	Config.	Material	Length
S13-3FUG-020	UNF 1/2"	3	straight	PUR	2 m
S13-3FUG-050	UNF 1/2"	3	straight	PUR	5 m
S13-3FUW-020	UNF 1/2"	3	right angle	PUR	2 m
S13-3FUW-050	UNF 1/2"	3	right angle	PUR	5 m



example

CONNECTING CABLES PVC

PART REFERENCE	SOCKET			CABLE		PLUG	
	Size	Pins	Config.	Material	Length	Size	Config.
S08-3FVG-006-08MG	M8	3	straight	PVC	0.6 m	M8	straight
S08-3FVG-020-08MG	M8	3	straight	PVC	2 m	M8	straight
S08-3FVG-050-08MG	M8	3	straight	PVC	5 m	M8	straight
S12-4FVG-006-12MG	M12	4	straight	PVC	0.6 m	M12	straight
S12-4FVG-020-12MG	M12	4	straight	PVC	2 m	M12	straight
S12-4FVG-050-12MG	M12	4	straight	PVC	5 m	M12	straight



example

CONNECTING CABLES PUR

PART REFERENCE	SOCKET			CABLE		PLUG	
	Size	Pins	Config.	Material	Length	Size	Config.
S08-3FUG-006-08MG	M8	3	straight	PUR	0.6 m	M8	straight
S08-3FUG-020-08MG	M8	3	straight	PUR	2 m	M8	straight
S08-3FUG-050-08MG	M8	3	straight	PUR	5 m	M8	straight
S12-4FUG-006-12MG	M12	4	straight	PUR	0.6 m	M12	straight
S12-4FUG-020-12MG	M12	4	straight	PUR	2 m	M12	straight
S12-4FUG-050-12MG	M12	4	straight	PUR	5 m	M12	straight



example

CONNECTING CABLES PVC FOR FOOD APPLICATIONS

PART REFERENCE	SOCKET			CABLE		PLUG	
	Size	Pins	Config.	Material	Length	Size	Config.
S12-4FAG-020-NNLN-12MG	M12	4	straight	TPE-S	2 m	M12	straight
S12-4FAG-100-NNLN-12MG	M12	4	straight	TPE-S	10 m	M12	straight
S12-4FVG-020-NNLN-12MG	M12	4	straight	PVC	2 m	M12	straight
S12-4FVG-050-NNLN-12MG	M12	4	straight	PVC	5 m	M12	straight
S12-4FVG-100-NNLN-12MG	M12	4	straight	PVC	10 m	M12	straight



example

CONNECTING CABLES M8/M12

PART REFERENCE	SOCKET			CABLE		PLUG	
	Size	Pins	Config.	Material	Length	Size	Config.
S08-3FUG-020-12MG	M8	3	straight	PUR	2 m	M12	straight
S08-4FUG-006-12MG	M8	4	straight	PUR	0.6 m	M12	straight
S08-3FVG-020-12MG	M8	3	straight	PVC	2 m	M12	straight
S08-4FVG-020-12MG	M8	4	straight	PVC	2 m	M12	straight



example

T-CONNECTOR

PART REFERENCE	CONNECTION 1		CABLE		CONNECTION 2	CONNECTION 3
	Size	Pins	Material	Length	Size	Size
V12-4TPD-000-NN1	M12 plug	4	-	No cable	M12 socket	M12 plug
V12-4TPD-000-NNN	M12 plug	4	-	No cable	M12 socket	M12 plug
V12-5TPD-000-NN1	M12 plug	5	-	No cable	M12 socket	M12 plug
V12-8TPD-000-NN2	M12 plug	8	-	No cable	M12 socket	M12 plug
V12-8TPD-000-NN3	M12 plug	8	-	No cable	M12 socket	M12 plug



example

DISTRIBUTION BOXES

PART REFERENCE	SOCKET			CONNECTION
	Size	Pins	Number of connections	Type
V08-30PE-000-NNN	M8	3	Universal - Hood	No cable
V08-31PD-050-UYN	M8	3	10 Plug Distribution box	PUR cable 5 m
V08-31PH-050-UNN	M8	3	10 Outputs - Hood	PUR cable 5 m
V08-34PB-000-NYN	M8	3	4 Plug Distribution box	No cable (hood needed)
V08-34PD-050-UYN	M8	3	4 Plug Distribution box	PUR cable 5 m
V08-38PB-000-NYN	M8	3	8 Plug Distribution box	No cable (hood needed)
V08-38PD-050-UYN	M8	3	8 Plug Distribution box	PUR cable 5 m
V08-38PH-050-UNN	M8	3	8 Outputs - Hood	PUR cable 5 m
V12-50PE-000-NNN	M12	5	Universal - Hood	No cable
V12-54MG-023-NYN	M12	5	4 Plug Distribution box	Connector M23
V12-54PB-000-NYN	M12	5	4 Plug Distribution box	No cable (hood needed)
V12-54PD-020-UYN	M12	5	4 Plug Distribution box	PUR cable 2 m
V12-54PD-050-UYN	M12	5	4 Plug Distribution box	PUR cable 5 m
V12-54PD-100-UYN	M12	5	4 Plug Distribution box	PUR cable 10 m
V12-54PY-050-UYN	M12	5	4 Plug Distribution box + Hood	PUR cable 5 m
V12-58MD-050-UYN	M12	5	8 Plug Metal Distribution box	PUR cable 5 m
V12-58MD-100-UYN	M12	5	8 Plug Metal Distribution box	PUR cable 10 m
V12-58MG-023-NYN	M12	5	8 Plug Metal Distribution box	Connector M23
V12-58PB-000-NYN	M12	5	8 Plug Distribution box	No cable (hood needed)
V12-58PD-020-UYN	M12	5	8 Plug Distribution box	PUR cable 2 m
V12-58PD-050-UYN	M12	5	8 Plug Distribution box	PUR cable 5 m
V12-58PD-100-UYN	M12	5	8 Plug Distribution box	PUR cable 10 m
V12-58PY-020-UYN	M12	5	8 Plug Distribution box + Hood	PUR cable 2 m
V12-58PY-050-UYN	M12	5	8 Plug Distribution box + Hood	PUR cable 5 m



example

FIELD ATTACHABLE CONNECTORS

PART REFERENCE	SOCKET			CABLE	
	Size	Pins	Config.	Outer Ø	Wire Ø
S08-3FNG-000-NNT1	M8	3	straight	3.0 - 5.0	0.08 - 0.38
S08-3FNG-000-NNT2	M8	3	straight	4.0 - 8.0	0.14 - 0.50
S08-3MNG-000-NNT1	M8	3	straight	3.0 - 5.0	0.08 - 0.38
S08-3MNG-000-NNT2	M8	3	straight	4.0 - 8.0	0.14 - 0.50
S12-3FNG-000-NNT1	M12	3	straight	3.0 - 5.0	0.08 - 0.38
S12-3MNG-000-NNT1	M12	3	straight	3.0 - 5.0	0.08 - 0.38
S12-4FNG-000-NNT1	M12	4	straight	3.0 - 5.0	0.08 - 0.38
S12-4FNG-000-NNT2	M12	4	straight	4.0 - 8.0	0.14 - 0.50
S12-4FNG-000-NNT3	M12	4	straight	5.5 - 8.0	0.50 - 1.00
S12-4FNW-000-NNT1	M12	4	right angle	3.0 - 5.0	0.08 - 0.38
S12-4MNG-000-NNT1	M12	4	straight	3.0 - 5.0	0.08 - 0.38
S12-4MNG-000-NNT2	M12	4	straight	4.0 - 8.0	0.14 - 0.50
S12-4MNG-000-NNT3	M12	4	straight	5.5 - 8.0	0.50 - 1.00
S12-4MNW-000-NNT1	M12	4	right angle	3.0 - 5.0	0.08 - 0.38

CABLES WITH INTEGRATED LED

PART REFERENCE	SOCKET			CABLE		
	Size	Pins	Config.	Material	Length	LED
S08-3FUW-020-YNNN	M8	3	right angle	PUR	2 m	PNP
S08-3FUW-050-YNNN	M8	3	right angle	PUR	5 m	PNP
S12-3FUW-020-YNNN	M12	3	right angle	PUR	2 m	PNP
S12-3FUW-050-YNNN	M12	3	right angle	PUR	5 m	PNP
S12-3FUW-100-YNNN	M12	3	right angle	PUR	10 m	PNP
S12-3FVW-050-YNNN	M12	3	right angle	PVC	5 m	PNP

CABLES / CONNECTORS

S12-4FAG-020[-NNLN-12MG]

CONNECTION CABLE

S

CONNECTOR SIZE FEMALE

M8	08
M12	12
M12 ACDC	13
M23	23

NUMBER OF POLES

3-pole	3
4-pole	4
5-pole	5
8-pole	8
11-pole	B
19-pole	J

CONNECTOR TYPE

Female (socket)	F
Male (plug)	M

CABLE MATERIAL

No cable	N
PVC	V
PUR	U
TPE-S	A

CABLE EXIT (FEMALE)

Straight	G
Right-angle	W

CABLE LENGTH

No cable	000
0.3 m	003
0.6 m	006
1 m	010
1.5 m	015
2 m (standard)	020
5 m	050
10 m	100
15 m	150
20 m	200
25 m	250

CABLE EXIT (MALE)

Straight	G
Right-angle	W

CONNECTOR TYPE

Male (plug)	M
Female (socket)	F

CONNECTOR SIZE MALE

M8	08
M12	12
M23	23

CONNECTION TYPE

Standard	N
Quick-lock	Q
Cable Ø 3.0 - 5.0 mm / wire 0.08 - 0.38 mm ²	1
Cable Ø 4.0 - 8.0 mm / wire 0.14 - 0.50 mm ²	2
Cable Ø 5.5 - 8.0 mm / wire 0.5 - 1.0 mm ²	3

APPLICATION

Standard	N
Food	L
RFID	R
Field attachable	T
Safety	S

EXECUTION

Standard or no cable	N
Shielded	W

LED

Yes, PNP	Y
Yes, NPN	Z
No	N

CABLES / CONNECTORS

<i>Part reference</i>	<i>Chapter/page</i>	<i>Part reference</i>	<i>Chapter/page</i>	<i>Part reference</i>	<i>Chapter/page</i>
S08-3FNG-000-NNT1	5/449	S12-3MNG-000-NNT1	5/449	S12-5FVW-020	5/443
S08-3FNG-000-NNT2	5/449	S12-4FAG-020-NNLN-12MG	5/447	S12-5FVW-050	5/443
S08-3FUG-006-08MG	5/446	S12-4FAG-050-NNLN	5/445	S12-5FVW-100	5/443
S08-3FUG-020	5/444	S12-4FAG-100-NNLN	5/445	S12-8FUG-020	5/445
S08-3FUG-020-08MG	5/446	S12-4FAG-100-NNLN-12MG	5/447	S12-8FUG-050	5/445
S08-3FUG-020-12MG	5/447	S12-4FAW-250-NNLN	5/445	S12-8FUG-100	5/445
S08-3FUG-050	5/444	S12-4FNG-000-NNT1	5/449	S12-8FUG-020-NWSN	5/445
S08-3FUG-050-08MG	5/446	S12-4FNG-000-NNT2	5/449	S12-8FUG-050-NWSN	5/445
S08-3FUG-100	5/444	S12-4FNG-000-NNT3	5/449	S12-8FUG-100-NWSN	5/445
S08-3FUW-020	5/444	S12-4FNW-000-NNT1	5/449	S12-8FUG-150-NWSN	5/445
S08-3FUW-020-YNNN	5/449	S12-4FUG-006-12MG	5/446	S13-3FUG-020	5/446
S08-3FUW-050	5/444	S12-4FUG-020	5/444	S13-3FUW-020	5/446
S08-3FUW-050-YNNN	5/449	S12-4FUG-020-12MG	5/446	S13-3FUG-050	5/446
S08-3FUW-100	5/444	S12-4FUG-050	5/444	S13-3FUW-050	5/446
S08-3FVG-006-08MG	5/446	S12-4FUG-050-12MG	5/446		
S08-3FVG-020	5/443	S12-4FUG-100	5/444		
S08-3FVG-020-08MG	5/446	S12-4FUG-150	5/444		
S08-3FVG-020-12MG	5/447	S12-4FUG-200	5/444		
S08-3FVG-020-NNLN	5/445	S12-4FUG-250	5/444		
S08-3FVG-050	5/443	S12-4FUW-020	5/444		
S08-3FVG-050-08MG	5/446	S12-4FUW-050	5/444		
S08-3FVG-100	5/443	S12-4FUW-100	5/444		
S08-3FVW-020	5/443	S12-4FUW-150	5/444		
S08-3FVW-020-NNLN	5/445	S12-4FUW-200	5/444		
S08-3FVW-050	5/443	S12-4FUW-250	5/444		
S08-3FVW-100	5/443	S12-4FVG-006-12MG	5/446		
S08-3MNG-000-NNT1	5/449	S12-4FVG-020	5/443		
S08-3MNG-000-NNT2	5/449	S12-4FVG-020-12MG	5/446		
S08-4FUG-006-12MG	5/447	S12-4FVG-020-NNLN	5/445		
S08-4FUG-020	5/444	S12-4FVG-020-NNLN-12MG	5/447		
S08-4FUG-050	5/444	S12-4FVG-050	5/443		
S08-4FUG-100	5/444	S12-4FVG-050-12MG	5/446		
S08-4FUW-020	5/444	S12-4FVG-050-NNLN-12MG	5/447		
S08-4FUW-050	5/444	S12-4FVG-050-NNLN	5/445		
S08-4FUW-100	5/444	S12-4FVG-100	5/443		
S08-4FVG-020	5/443	S12-4FVG-100-NNLN	5/445		
S08-4FVG-020-12MG	5/447	S12-4FVG-100-NNLN-12MG	5/447		
S08-4FVG-050	5/443	S12-4FVW-020	5/443		
S08-4FVG-100	5/443	S12-4FVW-020-NNLN	5/445		
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