

INPUT/OUTPUT PROFIBUS-DP IP 67 M12



The Profibus-DP IP 67 is a robust metallic slave that can be connected flexibly using M12 connectors to outputs and solenoid valves and/or inputs.

Each connector can be used freely for:

- 1 Output + 1 diagnostic Input
- 2 Outputs
- 1 Output + 1 Input
- 2 Inputs
- 1 Input + 1 diagnostic Input

Each slave can handle a total of 16 signals, each according to one of the above combinations.

Diagnostics provides information on the type and location of the error of each channel with:

- de-activation of the coupling point "involved" and not the complete module;
- signal to the controller;
- display with local LEDs.

One single slave or an island of solenoid valves complete with slave and connectors can be ordered. The catalogue shows the 1/8" and 1/4" valve islands in the 70 series and the ISO5599 valve islands, size 1 and size 2.



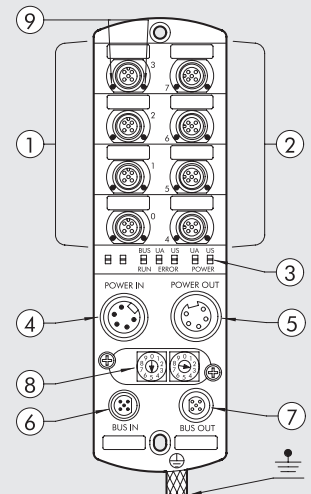
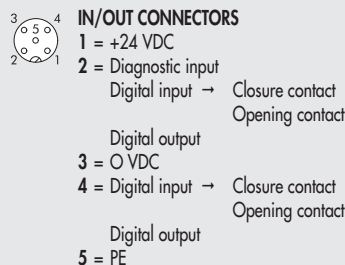
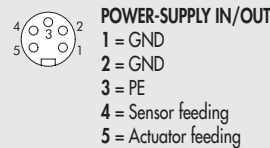
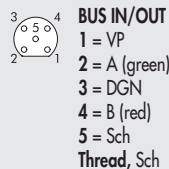
VALVES

INPUT/OUTPUT PROFIBUS-DP IP 67 M12

TECHNICAL DATA	
Application	8 inputs or outputs + 8 inputs or outputs or diagnostic
Supply voltage	24 VDC (18V.....30,2V), according to EN 61131-2
Degree of protection	IP67
Temperature	0 to 55°C (32 to 131° F)
Field Bus Data	Transmission protocol Profibus-DP EN 50170
	Transmission mode synchronous or Freeze-Mode
	Transmission speed 12MBit/s
	Addresses rotating switches BCD, 0.....99
Inputs Output Technical Data	Type pnp proximity sensors or EN 61131-2 compatible mechanical limit switch
	Supply 24 VDC (18-30.2V) to EN 61131-2; ≥ 200 mA for M12 coupling point.
	Indicator One LED for each
Output Technical Data	Voltage 24 VDC (18-30.2V) output, to EN 61131-2; cumulative I ≥ 9A
	Maximum current for each actuator 1.6 A, system protected by fuse in case of short-circuit
	Maximum current contemporary 10W
	Maximum signal exchange frequency 20 Hz Ohm, 20 Hz induction
	Indicator LED One LED for each output
Autotest	Field bus RUN-LED
	Insufficient voltage signal LED + alarm signal to master
	Short-circuit sensor INPUT or OUTPUTS Red LED for channel on M12 coupling point
Autotest	Desina® (pin 2) PIN 2 diagnostic with red LED for M12 coupling point and signal to master
N.B.: for the disposition of the contact, please look at the connectors at the following pages	

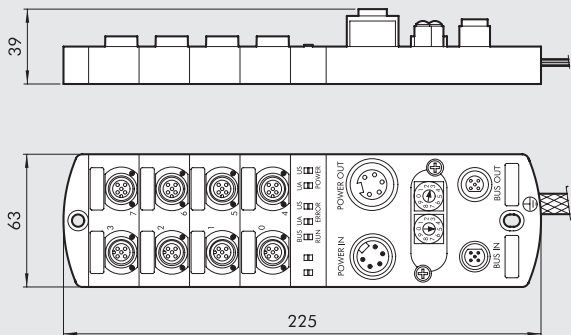
COMPONENTS

- ① ② IN-OUT diagnostic connectors
- ③ Led Power, Error, Run
- ④ IN feeding connector
- ⑤ OUT feeding connector
- ⑥ IN BUS connector
- ⑦ OUT BUS connector
- ⑧ Rotating switches for addressing
- ⑨ Diagnostic LED for single channel

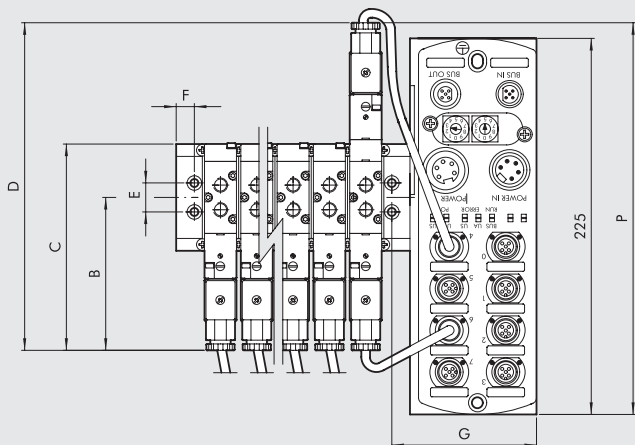
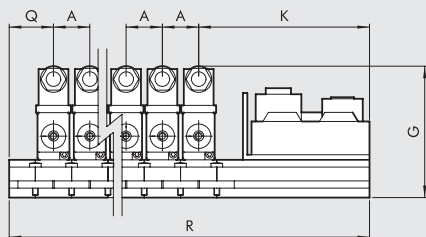


SLAVE IP67

Code 0240008001 **Description** 8 I/O + 8 I/O/autotest Profibus



IP67 SLAVE, COMPLETE WITH SERIES 70 VALVES



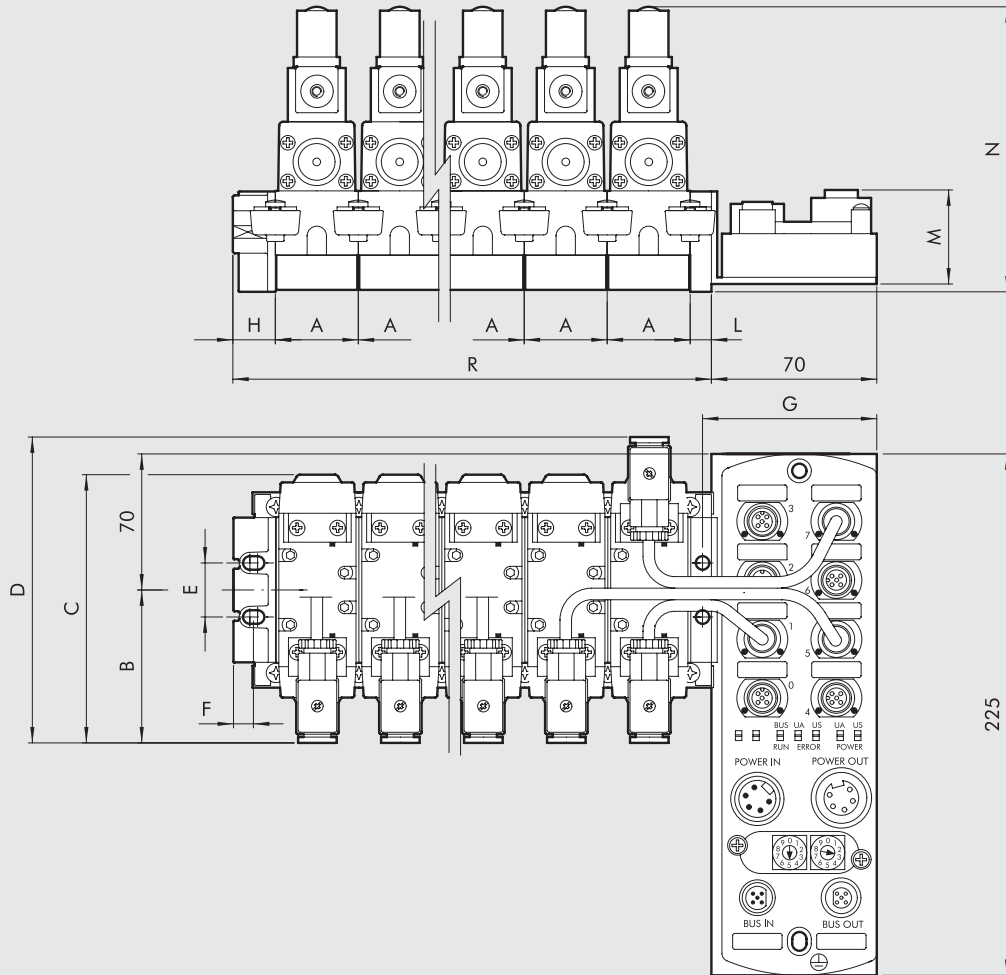
	A	B	C	D	E	F	G	K	P	Q	R
1/8" Manifold											
25	105	142	225	20	12.5	85.8	103.5	230	305	Q + K + (A x *n ² -1)	
1/8" Multiple											
25	105	142	225	20	7	98	115	230	24	Q + K + (A x *n ² -1)	
1/4" Manifold											
27	112	156	239	25	10	85.5	104.5	237	31.5	Q + K + (A x *n ² -1)	
1/4" Multiple											
27	112	156	239	25	7	98	118	237	27	Q + K + (A x *n ² -1)	

*n = number of mounted valves
 N.B.: the unit is supplied complete with cables for valves

SYNOPTIC, SIZES AND VERSIONS

B U S	P	V	B	O	0 2	D D
	P Profibus	V IP67	B 70 1/8" C 70 1/4"	O Multiple base	02 2 positions 04 4 positions 06 6 positions 08 8 positions 10 10 positions 12 12 positions 14 14 positions 16 16 positions	D SOV 23 SOS NO - SOV 33 SOS NO H SOV 23 SOS NC - SOV 33 SOS NC Z SOV 23 SOB 00 - SOV 33 SOB 00 M SOV 25 SOS 0 - SOV 35 SOS 00 J SOV 25 SOB 00 - SOV 35 SOB 00 G SOV 26 SOS CC - SOV 36 SOS CC E SOV 26 SOS OC - SOV 36 SOS OC B SOV 26 SOS PC - SOV 36 SOS PC A Blanking plate

IP67 SLAVE, COMPLETE WITH ISO VALVES



	A	B	C	D	E	F	G	H	L	M	N	P	R
ISO1	43	80	140	158	28	10.5	76.4	22	11	47	150	230	H + L + (A x *n°)
ISO2	56	90	165	180	35	12.5	77.5	26	14	61	178	240	H + L + (A x *n°)

*n = number of mounted valves

N.B.: the unit is supplied complete with cables for valves

SYNOPTIC, SIZES AND VERSIONS

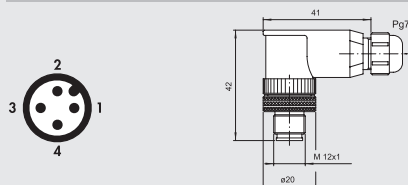
B U S	P	V	D	I	0 2	M M
	P Profibus	V IP67	D ISO1 E ISO2	I Manifold base side	02 2 positions 04 4 positions 06 6 positions 08 8 positions 10 10 positions 12 12 positions 14 14 positions 16 16 positions	M ISV 55 SOS 00 - ISV 65 SOS 00 J ISV 55 SOB 00 - ISV 65 SOB 00 G ISV 56 SOS CC - ISV 66 SOS CC E ISV 56 SOS OC - ISV 66 SOS OC B ISV 56 SOS PC - ISV 66 SOS PC A Blanking plate

ACCESSORIES

VALVES

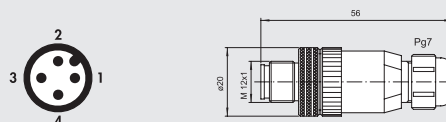
INPUT/OUTPUT PROFIBUS-DP IP 67 M12

90° ELBOW WITHOUT CABLE



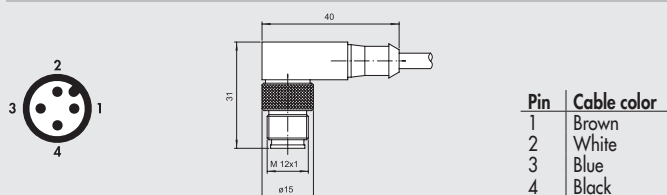
Code	Description
0240009001	90° Elbow without cable

STRAIGHT FITTING WITHOUT CABLE



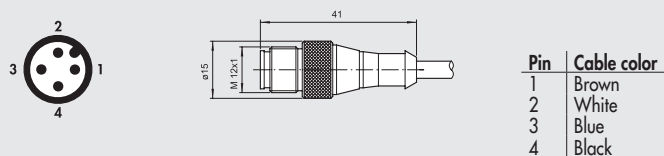
Code	Description
0240009021	Straight fitting without cable

90° ELBOW WITH CABLE



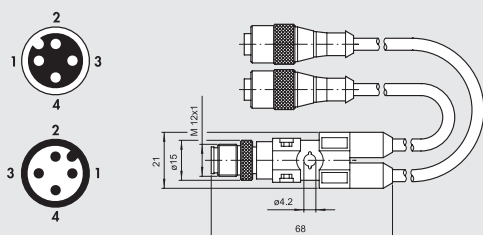
Code	Description
0240009022	90° curve with cable 1.5 m
0240009023	90° curve with cable 5 m

STRAIGHT FITTING WITH CABLE



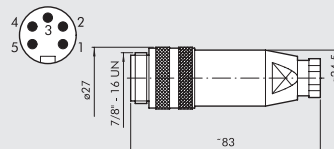
Code	Description
0240009002	Straight, with 1.5 m cable
0240009003	Straight, with 5 m cable

Y-DISTRIBUTOR WITH CABLE AND M12 STRAIGHT CONNECTORS



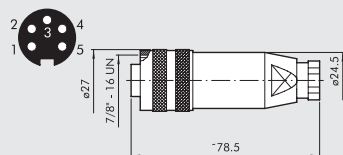
Code	Description
0240009031	Y-Distributor cable 0.6 m
0240009032	Y-Distributor cable 1.5 m

MALE CONNECTOR FOR FEEDING "IN"



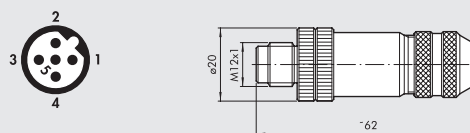
Code	Description
0240009033	Male connector "IN" feeding

FEMALE CONNECTOR FOR FEEDING "OUT"



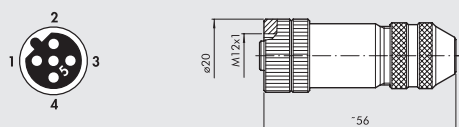
Code	Description
0240009034	Female connector "OUT" feeding

M12 MALE CONNECTOR OUT-BUS



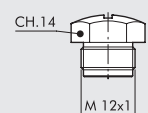
Code	Description
0240009035	M12 male connector B coding

M12 FEMALE CONNECTOR IN-BUS



Code	Description
0240009036	M12 female connector B coding

PLUG M12



Code	Description
0240009040	M12 plug