

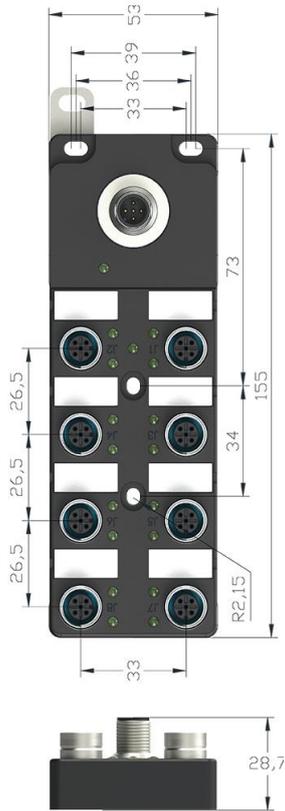
**Part number: 43-08006**  
**SAL-12-I08FK5-1FS5**

- IO-LINK slave station
- IO-LINK version V1.1
- IO-LINK communication interface: Class A, COM2 (38.4KBps)
- 16-channel PNP input and output adaptive M12 5PIN A-code
- IP67 protection level



**Basic parameters**

Shell material	PA6+GF
Shell color	Black
Protection level	IP67, epoxy full potting
Dimensions	155mm×53mm×28.7mm
Weight	217g
Operating temperature	-25°C...70°C
Storage/transport temperature	-40°C...85°C
Operating humidity	5%...95%
Storage/transport humidity	5%...95%
Operating atmospheric pressure	80KPa...106KPa
Storage/transport atmospheric pressure	80KPa...106KPa
I/O port tightening torque	M12:0.5Nm
Application environment	Comply with EN-61131
Vibration test	Comply with IEC60068-2
Impact test	Comply with IEC60068-27
Free drop test	Comply with IEC60068-32
Electromagnetic compatibility (EMC)	Comply with IEC61000-4-2, -3, -4
Certification	CE, RoHS
Mounting hole size	Φ4.3mm×4



**Module LED indicators**

PWR	Green: Power supply is normal
	Yellow: Auxiliary power supply UA is not connected (for modules with output function)
	Off: Module is not powered
LINK	Green: Communication is not connected
	Green flashing: Link is normal, data communication is normal
IO	Off: Link is not established
	Red: Communication with the master station is interrupted
	Green: Channel signal is normal
	Red: Port short circuit/overload/output when there is no UA power

**I/O signal distribution table**

IOLD-PA-DIO16P

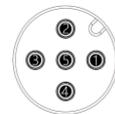
Input	Byte	Bit0	Bit1	Bit2	Bit3	Bit4	Bit5	Bit6	Bit7
t/	0	J5P4	J5P2	J6P4	J6P2	J7P4	J7P2	J8P4	J8P2
Output	Byte	Bit0	Bit1	Bit2	Bit3	Bit4	Bit5	Bit6	Bit7
ut	1	J1P4	J1P2	J2P4	J2P2	J3P4	J3P2	J4P4	J4P2

IOLD-PA-DIO16P-R

Input	Byte	Bit0	Bit1	Bit2	Bit3	Bit4	Bit5	Bit6	Bit7
t/	0	J1P4	J1P2	J2P4	J2P2	J3P4	J3P2	J4P4	J4P2
Output	Byte	Bit0	Bit1	Bit2	Bit3	Bit4	Bit5	Bit6	Bit7
ut	1	J5P4	J5P2	J6P4	J6P2	J7P4	J7P2	J8P4	J8P2

**IO-LINK Port**

M12 A-code male



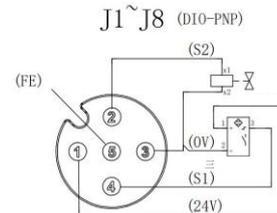
1. V+
2. P24V
3. 0 V
4. C/Q
5. N/C

**Port parameters**

IO-LINK connection mode	M12, 5-pin, A-code, male
IO-LINK version	1.1
Communication rate	COM2 (38.4KBps)
Port voltage	24VDC
Port current	1.6A
Port level	CLASS A
Data length	IN 2byte/OUT 2byte
IO-LINK maximum distance	≤20m

**Wiring diagram (J1-J8)**

PNP type input/output signal



**Input Parameters**

Number of inputs	Maximum 16
Input port location	J1...J8
Input polarity	PNP
Input signal "0"	Low level 0~5V
Input signal "1"	High level 11~30V
Maximum load current	200mA

**Output Parameters**

Output number	Max 16
Output port location	J1...J8
Output voltage	24VDC
Switching frequency	250Hz
Output polarity	PNP
Single channel maximum load cur	500mA
Total current	<2.5A
Load type	Resistive, Inductive, Lamp
Short circuit protection	Yes
Overload protection	Yes