

Product datasheet

Specifications



AS-Interface - direct IDC connection - V1 - standard - 2 O - IP67

ASI67FFP22A

! Discontinued on: 30 June 2016

! End-of-service on: 30 June 2019

! Discontinued

EAN Code : 3389110961270

Main

Range of product	Advantys
Product or component type	Direct connection interface
Range compatibility	AS-Interface cabling system
AS-i version	V1
Addressing	Standard
Enclosure type	Compact
Width	45 mm
Number of addresses	0...31
Number of inputs	2
Number of outputs	2

Complementary

Height	80 mm for connection base ASI67FFB01 116.5 mm for connection base ASI67FFB02
Depth	42 mm for connection base ASI67FFB01 37.5 mm for connection base ASI67FFB02
[Us] rated supply voltage	26.5...31.6 V for AS-Interface line
Reverse polarity protection	Integrated
Current consumption	<= 32 mA for AS-Interface line circuit without sensor supply
Actuator sensor interface profile [AS-i]	30FF
Output fallback position	OFF in the absence of communication
Parameter bits	Not used
Electrical connection	2 female connectors M12 standard for actuator 2 female connectors M12 standard for sensor 1 IDC for AS-Interface line 1 IDC for auxiliary supply 1 jack connector
Supply	Actuator side: by external supply Sensor side: via AS-Interface line
Input compatibility	2 or 3-wire PNP conforming to EN/IEC 61131-2 type 2
Sensor power supply	18...30 V conforming to EN/IEC 60947-5-1

Maximum supply current for sensors	100 mA
Voltage state 1 guaranteed	> 11 V for sensor side
Current state 1 guaranteed	>= 6 mA (sensor side)
Voltage state 0 guaranteed	< 5 V for sensor side
Current state 0 guaranteed	<= 2 mA (sensor side)
Input current	8 mA
Output type	Solid state (PNP transistor)
Output voltage	21.6...27.2 V
Drop-out voltage	1 V at I _n
Thermal current per channel	2 A at 40...70 °C (actuator side) 4 A at 40 °C (actuator side)
Thermal current per common	2 A (actuator side)
Maximum leakage current	0.012 mA
Output overload protection	Thermal integrated
Output short-circuit protection	Thermal integrated
Nominal output current	2 A DC-12 2 A DC-13
Switching time	< 20 ms at OFF to ON for actuator side < 20 ms at ON to OFF for actuator side
Installation category	II conforming to IEC 60664
Surge withstand	1 kV at 2 Ohm (differential mode) conforming to EN/IEC 61000-4-5 2 kV at 12 Ohm (common mode) conforming to EN/IEC 61000-4-5
Fixing mode	By 2 or 3 screws M4 Clip-on, mounting on 35 mm symmetrical rail conforming to EN/IEC 60715
Tightening torque	0.6 N.m
Material	Stainless steel
Housing material	PBT 30 % GF Valox 553
Local signalling	1 LED (green) for AS-Interface power ON (ASI PWR) 1 LED (green) for auxiliary supply ON (AUX PWR) 1 LED (red) for fault 4 LEDs (yellow) for input/output status
Net weight	0.09 kg

Environment

Product certifications	CSA UL AS-Interface No 55101
Ambient air temperature for operation	-25...70 °C conforming to EN/IEC 60529
Ambient air temperature for storage	-40...85 °C
IP degree of protection	IP54 (for use as tap-off or at line end) conforming to IEC 60529 IP67 conforming to IEC 60529
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	+/-1 mm (f= 2...13.2 Hz) conforming to GL +/-1 mm (f= 2...36 Hz) conforming to EN/IEC 60068-2-6 0.7 gn (f= 13.2...100 Hz) conforming to GL 5 gn (f= 36...150 Hz) conforming to EN/IEC 60068-2-6
Dielectric test voltage	2 kV between outputs and AS-Interface line for 1 minute conforming to EN/IEC 60664-1 0.5 kV between auxiliary supply and AS-Interface line for 1 minute conforming to EN/IEC 60664-1 0.5 kV between inputs and auxiliary supply for 1 minute conforming to EN/IEC 60664-1 0.5 kV between inputs and outputs for 1 minute conforming to EN/IEC 60664-1

Resistance to electrostatic discharge	8 kV conforming to EN/IEC 61000-4-2 level 3
Resistance to radiated fields	10 V/m conforming to EN/IEC 61000-4-3 level 3
Resistance to conducted disturbances	3 V conforming to EN/IEC 61000-4-6
Resistance to fast transients	2 kV conforming to EN/IEC 60100-4-4 level 3
Pollution degree	3 conforming to EN/IEC 60604-4-1
Fire resistance	at 750 °C, extinction time <30 s conforming to EN/IEC 60695-2-11

Contractual warranty

Warranty	18 months
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Recommended replacement(s)