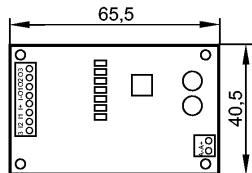




PCB 3DI 3DO T IP00

Bus system AS-Interface



CE

Product characteristics

Active AS-i module

AS-i version 2.1 with extended addressing mode

Electrical data

Electrical design	3 inputs / 3 outputs
Operating voltage [V]	26.5...31.6 DC
Current consumption [mA]	< 200
Max. current load per module [mA]	180

Inputs

Digital

Sensor supply	AS-i
Voltage range [V]	20...30 DC
Short-circuit proof	yes

Outputs

External voltage supply	AS-i
Max. current load per output [mA]	180 *)
Integrated watchdog	yes
Short-circuit proof	yes

Environment

Ambient temperature [°C]	-25...70
Protection	IP 00

Tests / approvals

EMC	EN 50295
-----	----------

AS-i classification

AS-i profile	S-7.A.E
I/O configuration [hex]	7
ID code [Hex]	A.E

Data bits	Data bit	D0	D1	D2	D3
Function		Input I1 - Output O1	Input I2 - Output O2	Input I3 - Output O3	

Mechanical data

Weight [kg]	0.032
-------------	-------

Displays / operating elements

Display	LED green (operate); red (error)
---------	----------------------------------

Electrical connection

Connection	screw terminals
------------	-----------------

Wiring

O1: Output 1

O2: Output 2

O3: Output 3

I-: Sensor supply 0 V

I+: Sensor supply +24 V

I1: Input 1

I2: Input 2

I3: Input 3

AC2731 - Active AS-i module - eclass: 27259090 / 27-25-90-90

A-: AS-i -
A+: AS-i +

Remarks

Remarks

The AS-i 3I/3O module (AS-i version 2.1) is a PCB solution for an AS-i slave, supply via AS-i.

A watchdog function switches the outputs off if there is no communication on the AS-i cable.

*) Observe the total max. current load for all inputs and outputs.

Pack quantity [piece]

1

ifm electronic gmbh • Friedrichstraße 1 • 45128 Essen — We reserve the right to make technical alterations without prior notice. — GB — AC2731 — 28.11.2011