



1: Addressing socket
2: Combicon plug with screw terminals (optional)



Product characteristics
Safe active AS-i module

Mounting on DIN rail

Combicon connection

Performance Level e

to EN ISO 13849-1 et IEC 61508 / SIL 3

for the connection of mechanical contacts

Complies with the requirements:

EN ISO 13849-1: Category 4 PL e

IEC 61508: SIL 3

Electrical data

Electrical design

2 safe inputs / 2 non-safe LED outputs / 2 non-safe relay outputs

Operating voltage [V]

26.5...31.6 DC

Current consumption [mA]

< 250

Max. current load per module [mA]

6000

Input current [mA]

10

Inputs

digital

Circuit

DC PNP

Sensor supply

AS-i

Cross-bridging detection

ja

Short-circuit detection

ja

Outputs

Relay outputs

2

Voltage range [V]

10...240 AC / 24 DC

Actuator supply

24 V DC

Electrically separated

yes

Integrated watchdog

yes

Short-circuit proof

no

LED output

Supply from AS-i

Environment

Ambient temperature [°C]

-25...50

Storage temperature [°C]

≤ 80

Max. relative air humidity [%]

< 80, Condensation not permissible

Protection

IP 20

Tests / approvals

AC009S - Safe active AS-i module - eclass: 27259090 / 27-25-90-90

EMC		EN 50295
Safety classification		
Mission time TM [h]		175200, (20 years)
Safety-related reliability PFHd [1/h]		4E-09
MTTFd [Years]		8513
DC/CCF/Cat.		99 % / 65 % / 4
AS-i classification		
AS-i version		2.11 / 3.0
Extended addressing mode possible		no
AS-i profile		S-7.B.E
I/O configuration [hex]		7
ID code [Hex]		B.E
AS-i certificate		62001
Max. number of safety modules per master		31
Mechanical data		
Cable length between module and mechanical contacts		< 10 m
Housing materials		PA
Weight [kg]		0.2
Displays / operating elements		
Power LED		green
Error LED		red
Function display LED		yellow
Electrical connection		
Connection		Combicon
Accessories		
Accessories (optional)		Combicon connector
Remarks		
Pack quantity [piece]		1