

# S-DIAS Splitter Ethernet SE 051



with 5 ethernet interfaces (RJ45)

The S-DIAS SE 051 Ethernet splitter connects several network segments via 5 ports. In-coming data packets at one Ethernet port are distributed over the other ports. The splitter module is located in a double-wide S-DIAS housing. Power is applied from above through a 4-pin Phoenix plug.

## Performance Data

Interfaces	5x Ethernet 10/100 Mbits (RJ45)
Network coupling type	Layer 2 Switch
Supported functionalities	Auto MDI/MDIX, Autonegotiation with 100Base-TX, full-duplex, 100Base-TX, half-duplex, 10Base-T, full-duplex, 10Base-T, half-duplex
Switch architecture	Store and Forward
MAC addresses	1000
Frame buffer size	64-kByte
Flow control	yes
Quality of service	yes

## Standard Configuration

Ethernet 1	X1
Ethernet 2	X2
Ethernet 3	X3
Ethernet 4	X4
Ethernet 5	X5

## Electrical Requirements

Supply voltage	18-30 V DC UL: Class 2 or LVLC	
Supply voltage via X6	typically 45 mA at 18 V typically 35 mA at 24 V typically 30 mA at 30 V	maximum 50 mA at 18 V maximum 40 mA at 24 V maximum 35 mA at 30 V

## Article Number and Miscellaneous

Article number	20-023-051
Dimensions	25 x 104.2 x 72 mm (W x H x D)
Standard	UL 508 (E247993)
Approvals	UL, cUL, CE, UKCA

## Environmental Conditions

Storage temperature	-20 ... +85 °C	
Environmental temperature	0 ... +55 °C	
Humidity	0-95 %, non-condensing	
Installation altitude above sea level	0-2000 m without derating > 2000 m with derating of the maximum environment temperature by 0.5 °C per 100 m	
Operating conditions	pollution degree 2	
EMC resistance	in accordance with EN 61000-6-2 (industrial area)	
EMC noise generation	in accordance with EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	3,5 mm from 5-8.4 Hz 1 g from 8.4-150 Hz
Shock resistance	EN 60068-2-27	15 g
Protection type	EN 60529	IP20