

## SDD ES ETH

540130



SDD (Safety Device Diagnostics), fieldbus module, standard, Modbus/TCP, 2 RJ45 ports, 6 digital inputs/outputs, plug-in connection terminals (not supplied with the unit).

## Technical details

General data	
Approval:	CE, cULus Listed
Technical data	
Electrical data	
Purpose of U1:	Module supply
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	2 W
Inputs	
Semiconductor outputs	
Number of semicond. outputs:	6
S/C output short circuit proof:	Yes
Fieldbus interface	
Fieldbus interface:	Modbus/TCP
Name of fieldbus protocol:	Modbus TCP (Slave)
Perm. fieldbus station address:	0 - 255d
Selectable transmission rates:	10 MBit/s, 100 MBit/s
Connection fieldbus:	RJ45
Galv. isolation fieldbus:	Yes
Type of galvanic isolation:	Functional insulation

MODBUS	
Number of MODBUS interfaces:	8
Modbus connection:	RJ45
Modbus device type:	Server
Modbus operating modes:	Auto-MDIX, Autonegotiation
Modbus selectable trans. rate:	10 MBit/s, 100 MBit/s
Galv. isolation from Modbus:	Yes
Environmental data	
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	0 - 55 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-30, EN 60068-2-78
Humidity rating:	90 % r. h. at 55 °C
Condensation permitted?:	Not permitted
Perm. operating height ASL:	2000 m
EMC to standard ...:	EN 61000-4-5, EN 61000-6-4, EN 61000-4-6, EN 61000-4-3
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	15g
Protection type standard:	EN 60529
Potential separation	
Potential isolation 1 between:	Modbus and system voltage
Type of potential isolation 1:	Functional insulation
Mechanical data	
Mounting position:	any
DIN-rail dimensions:	35 x 7.5 EN 50022
Housing material lower section:	PC
Housing material front plate:	PC
Housing material upper part:	PC
Connection terminal:	Screw terminal plug-in, Spring-loaded terminal, plugin

Flex. cond. c/s AWG info:	24 - 12 AWG
Height dimension:	115 mm
Width dimension:	45 mm
Depth dimension:	95 mm
Net weight:	160 g
Gross weight:	175 g
<b>Environment</b>	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	7a, 7c I
REACH compliance:	contains min. 1 SVHC-substance
REACH included substances:	Lead
%-part of the pollutant:	> 0,1
CAS No.:	7439-92-1
WEEE classification (08/2018):	5 devices (feed size < 50cm)
<b>Commercial data</b>	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27242608
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000024

## Obligatory accessories

540120

SDD ES SET SCREW TERMINALS



540121

SDD ES SET SPRING LOADED TERMINALS

