

## Data sheet SM 222 (222-1HD10)

### Technical data

<b>Order no.</b>	<b>222-1HD10</b>
------------------	------------------

Type	SM 222
------	--------

### General information

Note	-
------	---

Features	4x DO DC 30 V AC 230 V 5 A Isolated per channel Relay
----------	--

### Current consumption/power loss

Current consumption from backplane bus	160 mA
--	--------

Power loss	2 W
------------	-----

### Technical data digital outputs

Number of outputs	4
-------------------	---

Cable length, shielded	1000 m
------------------------	--------

Cable length, unshielded	600 m
--------------------------	-------

Rated load voltage	AC 230 V
--------------------	----------

Permitted range	-
-----------------	---

Current consumption from power section supply (without load)	-
--	---

Total current per group, horizontal configuration, 40°C	5 A
---	-----

Total current per group, horizontal configuration, 60°C	5 A
---	-----

Total current per group, vertical configuration	5 A
---	-----

Output current at signal "1", rated value	5 A
---	-----

Signal logic output	Isolated
---------------------	----------

Output delay of "0" to "1"	10 ms
----------------------------	-------

Output delay of "1" to "0"	5 ms
----------------------------	------

Minimum load current	-
----------------------	---

Lamp load	-
-----------	---

Parallel switching of outputs for redundant control of a load	not possible
---	--------------

Parallel switching of outputs for increased power	not possible
---	--------------

Actuation of digital input	-
----------------------------	---

Switching frequency with resistive load	max. 0.33 Hz
---	--------------

Switching frequency with inductive load	max. 0.33 Hz
---	--------------

Switching frequency on lamp load	max. 0.33 Hz
----------------------------------	--------------

Internal limitation of inductive shut-off voltage	-
---	---

Short-circuit protection of output	-
------------------------------------	---

Trigger level	-
---------------	---

Number of operating cycle of relay outputs	10 <sup>7</sup>
--	-----------------

Switching capacity of contacts	5 A
--------------------------------	-----

Output data size	1 Byte
------------------	--------

### Status information, alarms, diagnostics

Status display	green LED per channel
----------------	-----------------------

Interrupts	no
------------	----

Process alarm	no
---------------	----

Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Supply voltage display	none
Group error display	none
Channel error display	none

## Isolation

Between channels	yes
Between channels of groups to	1
Between channels and backplane bus	yes
Insulation tested with	DC 500 V

## Datasizes

Input bytes	0
Output bytes	1
Parameter bytes	0
Diagnostic bytes	0

## Housing

Material	PPE / PA 6.6
Mounting	Profile rail 35 mm

## Mechanical data

Dimensions (WxHxD)	25.4 mm x 76 mm x 88 mm
Net weight	100 g
Weight including accessories	-
Gross weight	-

## Environmental conditions

Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C

## Certifications

UL certification	yes
KC certification	-