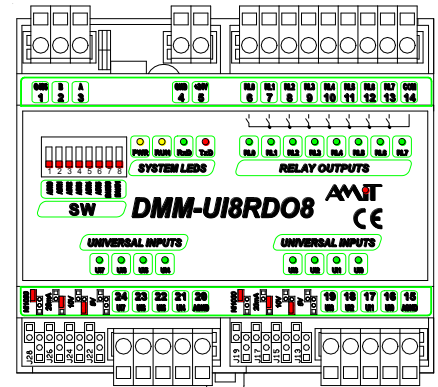


# DMM-UI8RDO8

Combined I/O Extension Module with MODBUS Protocol

- 8 relay outputs
- 8 universal inputs
- Inputs without galvanic separation
- Control over RS485 line, MODBUS RTU protocol



## TECHNICAL DATA

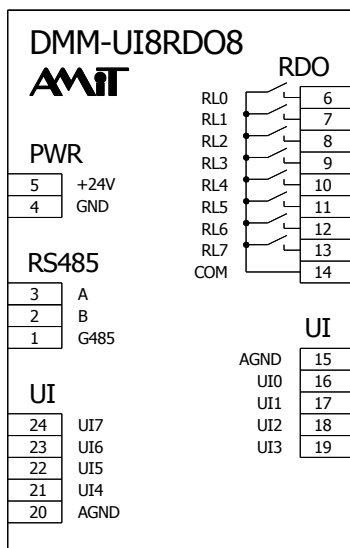
<b>Outputs</b>	8
Output type	Normally opened relay
Galvanic separation of outputs	Yes
Nominal voltage	230 V AC / 24 V DC
current (resistive load)	2 A
Max. current via common terminal	10 A
<b>Inputs</b>	8
Input type	(0 to 5) V DC / (0 to 10) V DC / (0 to 20,08) mA DC / Ni1000 / Pt1000 / Contact / Digital input 24 V DC
Galvanic separation of inputs	No
Converter resolution	12 bits
Common lead	Analogue ground
Max. input voltage	50 V permanently for range (0 to 5) V DC, (0 to 10) V DC, Ni1000, Pt1000
Max. input current	30 mA DC for range (0 to 20,08) mA DC
<b>Communication</b>	RS485
Galvanic separation of RS485	Yes *)
Communication rates	9600 bps to 57600 bps
Max. number of modules on RS485 line	63
Max. number of modules on RS485 segment	32
<b>Power supply</b>	24 V DC $\pm$ 20 %
Power consumption (without outputs)	Max. 140 mA at 24 V DC
<b>Others</b>	
Signal connection	WAGO 231 cage clamp connectors
Cover protection rate	IP20
Operating temperature	0 °C to 50 °C
Max. ambient humidity	< 95 % non-condensing
Mounting	35 mm DIN rail
Weight	250 g
Dimensions (w × h × d)	(105 × 90 × 74) mm

\*) Insulation strength 500 V AC / 1 minute, galvanic separation may not be used for safe and unsafe parts separation.

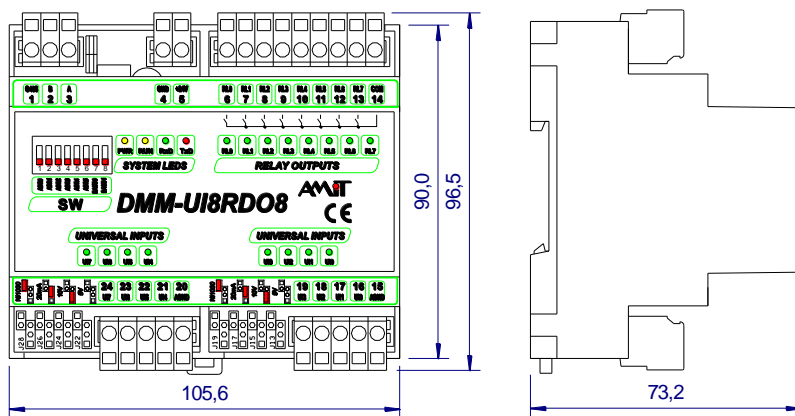
## ORDERING INFORMATION

<b>DMM-UI8RDO8</b>	Module of 8 relay outputs and 8 universal inputs controlled over RS485 line, data sheet, warranty card
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## RECOMMENDED DIAGRAM SYMBOL



## PHYSICAL DIMENSIONS



## TERMINALS ASSIGNMENT

Terminal	Label	Assignment
1	G485	RS485, shielding
2	B	RS485, B line
3	A	RS485, A line
4	GND	Power supply, ground
5	+24V	Power supply +24 V DC
6	RL0	Output 0
7	RL1	Output 1
8	RL2	Output 2
9	RL3	Output 3
10	RL4	Output 4
11	RL5	Output 5
12	RL6	Output 6

Terminal	Label	Assignment
13	RL7	Output 7
14	COM	Common terminal
15	AGND	Analogue GND
16	UI0	Input 0
17	UI1	Input 1
18	UI2	Input 2
19	UI3	Input 3
20	AGND	Analogue GND
21	UI4	Input 4
22	UI5	Input 5
23	UI6	Input 6
24	UI7	Input 7