



- 8x DIGITAL INPUTS
- 2x ANALOGUE INPUTS FOR LOAD CELL
- 5x DIGITAL OUTPUTS - RELAYS, OC, PWM
- 2X UNIVERSAL ANALOGUE OUTPUTS
- LED SIGNALISATION OF INPUT STATE
- POWER SUPPLY 24 V AC/DC OR 80...230 V AC/DC

## ANALOGUE INPUTS LOAD CELL

**OMC 8030 - 8DI.2T** is an ultra precise 2-channel module for load plus 8 universal digital inputs.

**OMC 8030 - 8DI.2T.5DOC** is an ultra precise 2-channel module for load plus 8 universal digital inputs and 5 outputs with open collector.

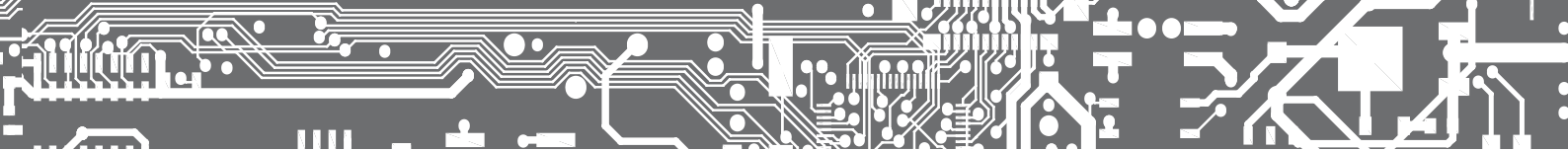
**OMC 8030 - 8DI.2T.5DOR** is an ultra precise 2-channel module for load plus 8 universal digital inputs and five relay outputs.

**OMC 8030 - 8DI.2T.2AO** is an ultra precise 2-channel module for load plus 8 universal digital inputs and 2 universal analogue outputs.

### EXPANSION MODULES

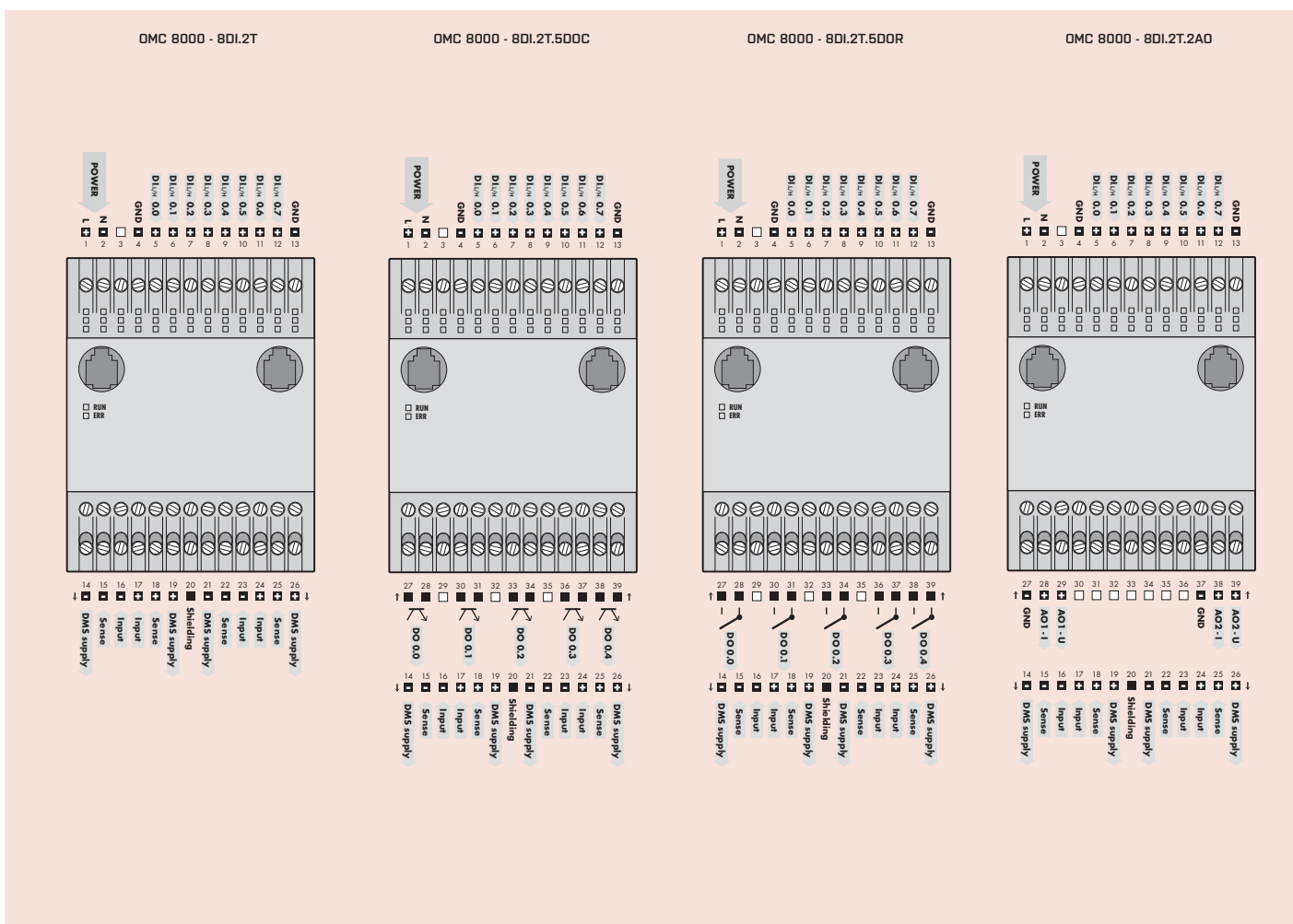
- OMC 8030 - 8DI.2T**
- OMC 8030 - 8DI.2T.5DOC**
- OMC 8030 - 8DI.2T.5DOR**
- OMC 8030 - 8DI.2T.2AO**

	OMC 8030 - 8DI.2T	OMC 8030 - 8DI.2T.5DOC	OMC 8030 - 8DI.2T.5DOR	OMC 8030 - 8DI.2T.2AO
<b>OUTPUTS</b>				
Number	-	5	5	2
Type	-	transistor (OC)	relays	analogue
Function	-	ON/OFF, PWM [100 kHz]	ON/OFF	0...2/5/10/±10 V 0...5 mA, 0/4...20 mA
Maximum switchable current	-	300 mA	300 mA • 10 A	-
Maximum switchable voltage	-	30 V	30 V • 250 VAC/24 VDC	-
Maximum switchable power	-	9 W	9 W • 2500 VA/240W	-
Accuracy	-	-	-	0,1 % of range
Response time	-	< 0,15 ms	< 0,15 ms • 8 ms	< 1 ms
LED signalisation of output state, broken loop detection	-	yes	yes	yes
<b>INPUTS - ANALOGUE</b>				
Number of inputs	2	2	2	2
Type	analogue	analogue	analogue	analogue
Isolated inputs	no	no	no	no
Measuring range	1..4 mV/V 2..8 mV/V 4...16 mV/V	1..4 mV/V 2..8 mV/V 4...16 mV/V	1..4 mV/V 2...8 mV/V 4...16 mV/V	1..4 mV/V 2...8 mV/V 4...16 mV/V
Resolution	24 bits	24 bits	2...8 mV/V	24 bits
Overload capacity	10x	10x	4...16 mV/V	10x
Connection	6-wire	6-wire	6-wire	6-wire
Accuracy	0,05 % of range	0,05 % of range	0,05 % of range	0,05 % of range
Rate	40 meas./s	40 meas./s	40 meas./s	40 meas./s
LED signalisation of input state	yes	yes	yes	yes
<b>INPUTS - DIGITAL</b>				
Number of inputs	8	8	8	8
Measuring range	12...250 V AC/DC	12...250 V AC/DC	12...250 V AC/DC	12...250 V AC/DC
Max. current	2,5 mA	2,5 mA	2,5 mA	2,5 mA
Response time	20 ms	20 ms	20 ms	20 ms
LED signalisation of input state	yes	yes	yes	yes



SPECIFICATIONS	OMC 8030 - 8DI.2T	OMC 8030 - 8DI.2T.500C	OMC 8030 - 8DI.2T.5DOR	OMC 8030 - 8DI.2T.2A0
Module width	72 mm	72 mm	72 mm	72 mm
Maximum consumption	5 VA	5 VA	5 VA	5 VA
Power supply	24 V AC/DC 80...250 V AC/DC	24 V AC/DC 80...250 V AC/DC	24 V AC/DC 80...250 V AC/DC	24 V AC/DC 80...250 V AC/DC
Working temperature	-20°...60°C			
Cover	IP 40			
Dielectric strength	4 kVAC for the duration of 1 minute between supply and output			
Insulation resistance	for pollution degree II, measuring cat. III., 300 V [Z], 150 [D]			
Electric safety	EN 61010-1, A2			
EMC	EN 61326-1			

## CONNECTION



## ORDER CODE

<b>OMC 8030 - 8DI.2T</b>	-	<input type="checkbox"/>
Power supply	24 V AC/DC, isolated	0
	80...250 V AC/DC, isolated	1

<b>OMC 8030 - 8DI.2T.5DOR</b>	-	<input type="checkbox"/>
Power supply	24 V AC/DC, isolated	0
	80...250 V AC/DC, isolated	1

<b>OMC 8030 - 8DI.2T.500C</b>	-	<input type="checkbox"/>
Power supply	24 V AC/DC, isolated	0
	80...250 V AC/DC, isolated	1

<b>OMC 8030 - 8DI.2T.2A0</b>	-	<input type="checkbox"/>	<input type="checkbox"/>
Power supply	24 V AC/DC, isolated	2	
	80...250 V AC/DC, isolated	4	
Number of analog output	none	0	
	1x output	1	
	2x output	2	