

Main

Range of product	Modicon TM7
Product or component type	Analog I/O expansion block
Range compatibility	Modicon LMC058 Modicon M258
Enclosure material	Plastic
Bus type	TM7 bus
[Ue] rated operational voltage	24 V DC
Input/output number	4
Input/output number of block	4 O

Complementary

Analogue output number	4
Analogue output type	Current
Analogue output range	0...20 mA
Sensor power supply	24 V, 500 mA for all channels with overload, short-circuit and reverse polarity protection
Analogue output resolution	12 bits
Electrical connection	1 male connector M12 - B coding - 4 ways for bus IN 1 female connector M12 - B coding - 4 ways for bus OUT 1 male connector M8 - 4 ways for power IN 1 female connector M8 - 4 ways for power OUT 4 female connectors M12 - A coding - 5 ways for actuator
Local signalling	2 LEDs for bus diagnostic 2 LEDs for sensor/actuator power supply status
Operating position	Any position
Fixing mode	By 2 screws
Net weight	0.2 kg

Environment

Standards	IEC 61131-2
Product certifications	C-Tick[RETURN]GOST-R[RETURN]cURus[RETURN]ATEX II 3g EEx nA II T5
Marking	CE
Ambient air temperature for operation	-10...60 °C
Ambient air temperature for storage	-25...85 °C
Relative humidity	5...95 % without condensation or dripping water
Pollution degree	2 conforming to IEC 60664
IP degree of protection	IP67 conforming to IEC 61131-2
Operating altitude	0...2000 m
Storage altitude	0...3000 m
Vibration resistance	7.5 mm constant amplitude (f= 2...8 Hz) conforming to IEC 60721-3-5 Class 5M3 2 gn constant acceleration (f= 8...200 Hz) conforming to IEC 60721-3-5 Class 5M3 4 gn constant acceleration (f= 200...500 Hz) conforming to IEC 60721-3-5 Class 5M3
Shock resistance	30 gn for 11 ms conforming to IEC 60721-3-5 Class 5M3
Resistance to electrostatic discharge	6 kV in contact conforming to IEC 61000-4-2 8 kV in air conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m 0.08...2 Hz conforming to IEC 61000-4-3 1 V/m 2...2.7 Hz conforming to IEC 61000-4-3

Resistance to fast transients	2 KV (power supply) conforming to IEC 61000-4-4 1 KV (input/output) conforming to IEC 61000-4-4 1 kV (shielded cable) conforming to IEC 61000-4-4
Surge withstand for DC 24 V circuit	1 KV power supply (common mode) conforming to IEC 61000-4-5 0.5 KV power supply (differential mode) conforming to IEC 61000-4-5 1 KV unshielded links (common mode) conforming to IEC 61000-4-5 0.5 KV unshielded links (differential mode) conforming to IEC 61000-4-5 1 KV shielded links (common mode) conforming to IEC 61000-4-5 0.5 kV shielded links (differential mode) conforming to IEC 61000-4-5
Electromagnetic compatibility	EN/IEC 61000-4-6
Disturbance radiated/conducted	CISPR 11

Offer Sustainability

Packaging without single use plastic	Yes
Packaging made with recycled cardboard	No
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
Take-back	No