



## Main

Range of Product	Modicon TM5
Product or Component Type	Safety discrete I/O module
Discrete input number	6
Discrete input voltage	24 V
Discrete output number	2
Discrete output type	Transistor

## Complementary

Range Compatibility	PacDrive LMC motion controller
Product Compatibility	PacDrive LMC Eco PacDrive LMC Pro 2 PacDrive LMC Pro
Discrete input voltage type	DC
Input voltage limits	20.4...28.8 V
Discrete input logic	Sink
Discrete input current	2.48 mA
Input impedance	9.68 kOhm
Output voltage	24 V DC
Output voltage limits	20.4...28.8 V
Discrete output logic	Source
Color	Red
Voltage state 0 guaranteed	$\leq 5$ V
Voltage state 1 guaranteed	$\geq 15$ V
Input filtering	$\leq 500$ ms configurable by software $\leq 150$ ms hardware
Protection Type	Short-circuit protection Overload protection
Isolation	No insulation between channels 500 Vrms AC insulation between channel and bus
Maximum power consumption in W	0.25 W bus 1.4 W internal
Local signalling	1 LED green power supply 1 LED red power supply 2 LEDs red safety status 2 LEDs red/orange output status 6 LEDs green/red input status
Electrical connection	2 wires
Marking	CE
Safety level	SIL 3 IEC 61508 SIL 3 IEC 62061 PL = e EN 13849-1
Safety reliability data	PFH < 1E-5 PFH < 1E-9 MTTFd = 2500 years
Net Weight	0.15 lb(US) (0.066 kg)

## Environment

Standards	CSA C22.2 No 142 EN 13849-1 IEC 61508 IEC 62061 IEC 61131-2
Product Certifications	CSA[RETURN]cULus
Ambient air temperature for operation	32...122 °F (0...50 °C) vertical installation 32...131 °F (0...55 °C) horizontal installation)
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)
Relative Humidity	5...95 % without condensation
IP degree of protection	IP20EN 60529
Pollution degree	2 IEC 60664
Operating altitude	0...6561.68 ft (0...2000 m)
Storage altitude	0.00...9842.52 ft (0...3000 m)
Vibration resistance	1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail
Shock resistance	15 gn 11 ms
Electromagnetic compatibility	Electrostatic discharge immunity test, 4 kV on contact EN/IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air EN/IEC 61000-4-2 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz EN/IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines EN/IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode EN/IEC 61000-4-5 Conducted RF disturbances EN/IEC 61000-4-6 Conducted and radiated emissions CISPR 11

## Ordering and shipping details

Category	18307-LEGACY BERGER-LAHR PRODUCTS
Discount Schedule	PC54
GTIN	3606480941146
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.18 in (3.0 cm)
Package 1 Width	2.36 in (6.0 cm)
Package 1 Length	3.94 in (10.0 cm)
Package 1 Weight	2.33 oz (66.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	7.85 lb(US) (3.56 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes