



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	≤ 5 V
Voltage state 1 guaranteed	≥ 15 V
Input filtering	≤ 500 ms configurable by software ≤ 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	PFD < 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 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
Nbr. of units in pkg.	1
Package weight(Lbs)	2.33 oz (66.0 g)
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.18 in (3 cm)
Package 1 width	2.36 in (6 cm)
Package 1 Length	3.94 in (10 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Weight	7.85 lb(US) (3.56 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

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 www.P65Warnings.ca.gov
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