



Main

Range of Product	Modicon TM5
Product or Component Type	Controller system
Device application	Safety logic controller
Processor name	Intel Xscale 266 MHz
Reverse polarity protection	Yes

Complementary

Communication network type	SERCOS III Ethernet)
Transmission rate	100 Mbit/s full duplex
Cycle time	1 ms
Realtime clock	With non-volatile memory
Number of devices	2 shielded RJ45 1 memory key slot
Function Available	Support max 20 safety nodes With 2 internal switch
Maximum cable distance between devices	328.08 ft (100 m) between station
Rated voltage	24 V -15...20 %
Input protection type	Integrated fuse (not interchangeable)
Power consumption in W	5.1 W
Type of cooling	Fanless
Marking	CE
Safety level	SIL 3 IEC 61508 SIL 3 IEC 62061 PL = e EN 13849-1
Safety reliability data	PFH < 1E-9 MTTFd > 100 years PFD < 1E-5
Local signalling	For application run or SoSafe debug mode 1 LED (green or orange) For authorization status 1 LED (green) For configuration status (Ready) 1 LED (orange) For firmware status 1 LED (orange) For boot status 4 LEDs (red) For memory key status 1 LED (orange)
Color	Red
Width	3.44 in (87.5 mm)
Height	3.90 in (99 mm)
Depth	2.95 in (75 mm)
Net Weight	0.64 lb(US) (0.29 kg)

Environment

Ambient air temperature for operation	32...113 °F (0...45 °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	IP20
Operating altitude	0...6561.68 ft (0...2000 m)
Standards	IEC 61511 IEC 61131-2 EN 13849-1 IEC 61508 IEC 62061
Product certifications	GOST-R cULus

Ordering and shipping details

Category	18360-PACDRIVE3 SAFETY
Discount Schedule	PC52
GTIN	3595864127989
Nbr. of units in pkg.	1
Package weight(Lbs)	18.45 oz (523 g)
Returnability	No
Country of origin	AT

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.12 in (13 cm)
Package 1 width	6.30 in (16 cm)
Package 1 Length	12.20 in (31 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	5
Package 2 Weight	5.77 lb(US) (2.615 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)

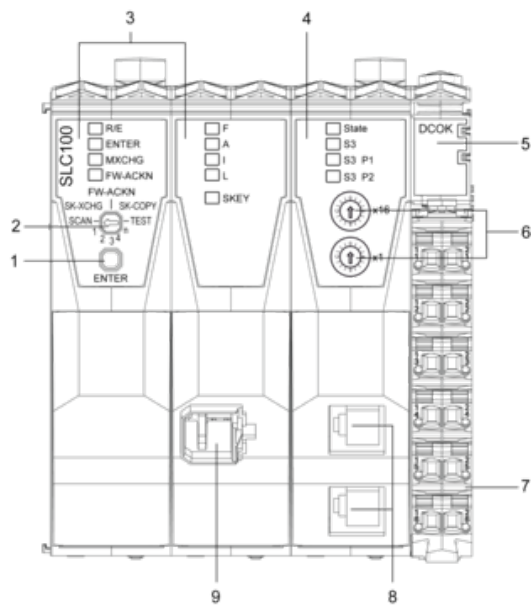
Offer Sustainability

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

Contractual warranty

Warranty	18 months
----------	-----------

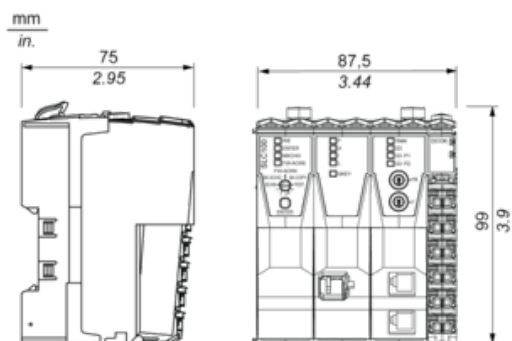
Safe Logic Controller Module



- (1) Confirmation button
- (2) Selection switch
- (3) Safety processor
- (4) SERCOS III interface
- (5) Integrated power supply
- (6) SERCOS III address switches
- (7) Terminal block for Safe Logic Controller supply
- (8) Ethernet SERCOS III connection with 2 x RJ45 for simple wiring
- (9) Memory Key slot

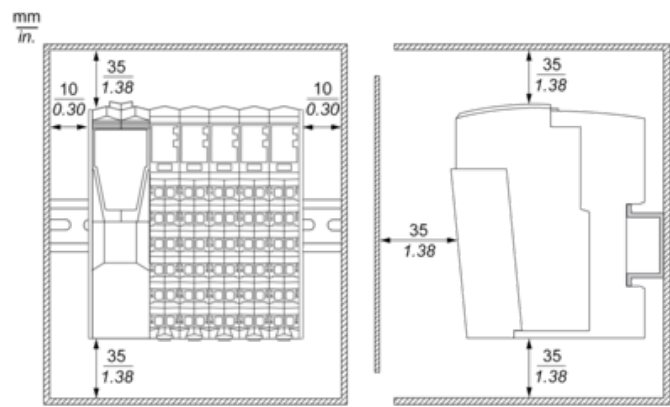
TM5 Safe Logic Controller

Dimensions

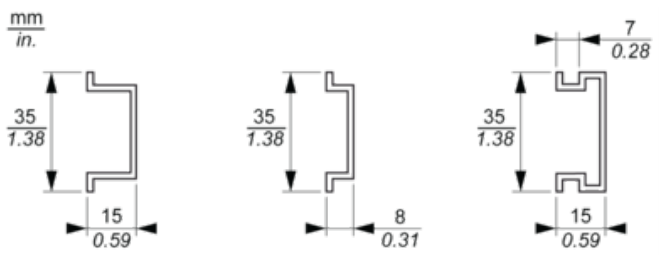


TM5 Safety System

Spacing Requirements



Mounting on a DIN Rail



TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

				
mm ²	0,08...2,5	0,25...2,5	0,25...1,5	2 x 0,25...2 x 0,75
AWG	28...14	24...14	24...16	2 x 24...2 x 18