



## 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 for 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)

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## 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[RETURN]cULus

## Ordering and shipping details

Category	18360-PACDRIVE3 SAFETY
Discount Schedule	PC52
GTIN	3595864127989
Returnability	No
Country of origin	AT

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.16 in (13.100 cm)
Package 1 Width	6.50 in (16.500 cm)
Package 1 Length	12.32 in (31.300 cm)
Package 1 Weight	17.95 oz (509.000 g)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	15.75 in (40.000 cm)
Package 2 Length	23.62 in (60.000 cm)
Package 2 Weight	8.91 lb(US) (4.042 kg)

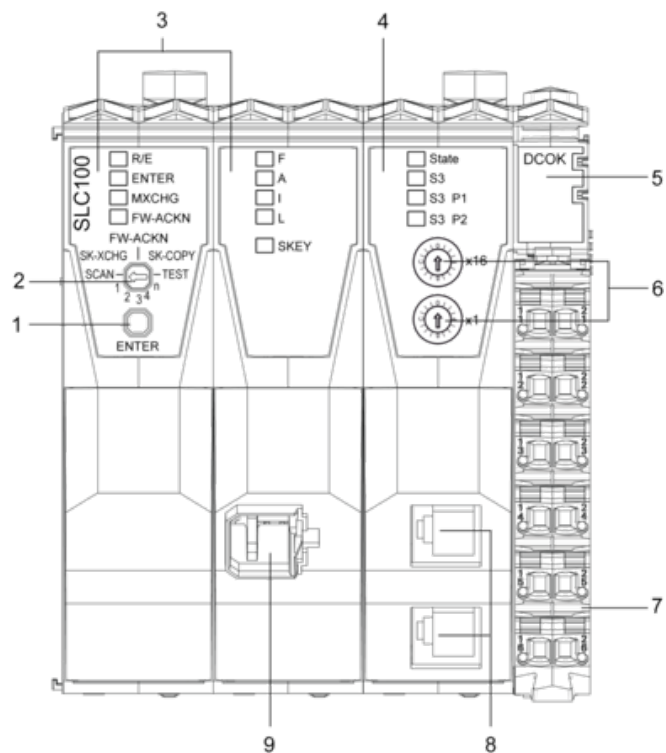
## Offer Sustainability

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>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

## Contractual warranty

Warranty	18 months
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Safe Logic Controller Module

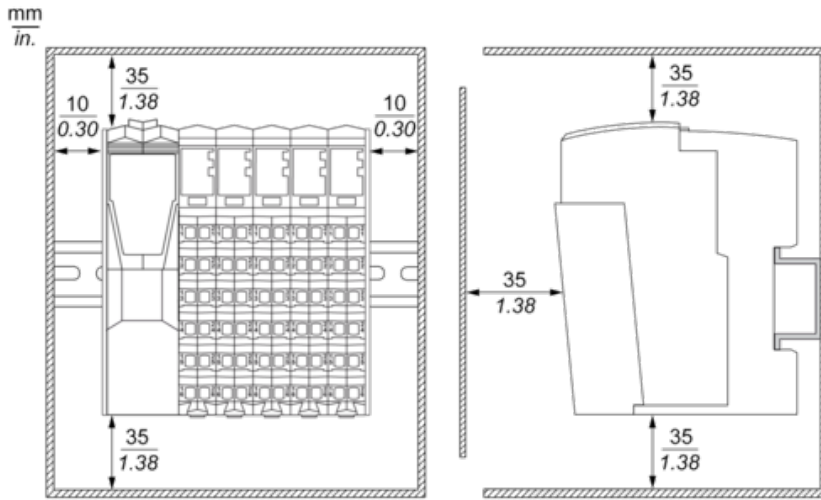


- (1) Confirmation button
- (2) Selection switch
- (3) Safety processor
- (4) SERCOS III interface
- (5) Integrated power supply
- (6) SERCOS III address switches
- (7) Terminal block for Safe Logic Controller supply
- (8) Ethernet SERCOS III connection with 2 x RJ45 for simple wiring
- (9) Memory Key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

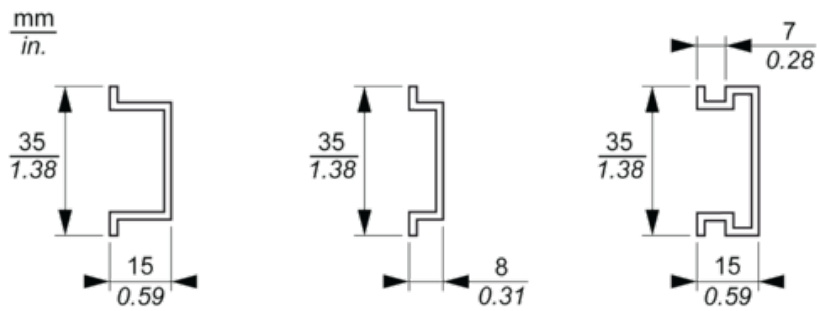


TM5 Safety System

Spacing Requirements








Mounting on a DIN Rail



TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

$\frac{\text{mm}}{\text{in.}}$ 				
mm <sup>2</sup>	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