Product data sheet
Characteristics

TM5CSLC100FS
Controller system, Modicon TM5, Safe logic CPU standard, SERCOS 3 interface, 20 nodes



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	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 conforming to IEC 61508 SIL 3 conforming to IEC 62061 PL = e conforming to EN 13849-1
Safety reliability data	PFH < 1E-9 MTTFd > 100 years PFD < 1E-5
Local signalling	1 LED (green or orange) for application run or SoSafe debug mode 1 LED (green) for authorization status 1 LED (orange) for configuration status (Ready) 1 LED (orange) for firmware status 4 LEDs (red) for boot status 1 LED (orange) for memory key status
Colour	Red
Width	87.5 Mm
Height	99 Mm
Depth	75 Mm
Net weight	0.29 Kg

Environment

Ambient air temperature for operation	0…45 °C (vertical installation) 0…55 °C (horizontal installation)
Ambient air temperature for storage	-25…70 °C
Relative humidity	5…95 % without condensation
IP degree of protection	IP20
Operating altitude	0...2000 m
Standards	IEC 61511 IEC 61131-2 EN 13849-1 IEC 61508 IEC 62061
Product certifications	GOST-R[RETURN]cULus

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.100 Cm
Package 1 Width	16.500 Cm
Package 1 Length	31.300 Cm
Package 1 Weight	509.000 G
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30.000 Cm
Package 2 Width	40.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	4.042 Kg

Offer Sustainability

Total lifecycle Carbon footprint	250 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	30.6028395062
Carbon footprint of the manufacturing phase [A1 to A3]	31 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.065672245
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1314238661
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	218.8848837209
Carbon footprint of the use phase [B2, B3, B4, B6]	219 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.3161653996
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	250
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. announced

TM5CSLC100FS may be replaced by any of the following products:



TM5CSLC300FS

Controller system, Modicon TM5 Safety, Safe logic CPU, SERCOS III interface, 20 nodes

Qty 1

Substitution date: |