

Modicon TM5

High-Performance and Safe IP20 Modular I/O System

Safety logic controllers and safety I/O modules



TM5SD●●●●●



TM5SAI4AFS
TM5STI4ATCFS



TM5SDC1FS



TM5ACBM3FS



TM5ACTB52FS
TM5ACTB5FFS



TM5SPS10FS



TM5ACBM4FS



TM5NS31



TM5SPS3



TM5ACBN1



TM5ACTB12PS

References				
Designation	Description	Reference	Weight	kg/lb
Safety digital I/O electronic modules				
Safety digital input modules	2 safety digital inputs, 24 V DC, sink	TM5SDI2DFS	0.025/	0.055
	4 safety digital inputs, 24 V DC, sink	TM5SDI4DFS	0.025/	0.055
	20 safety digital inputs, 24 V DC, sink	TM5SDI20DFS	0.059/	0.013
Safety mixed digital I/O modules	2 safety digital inputs, 24 V DC, sink 2 NO safety relay outputs	TM5SDM4DTRFS	0.025/	0.055
	6 safety digital inputs, 24 V DC, sink 2 safety digital outputs, 24 V DC, 500 mA	TM5SDM8TBFS	0.066/	0.146
Safety digital output modules	2 safety digital outputs, 24 V DC, transistor 0.5 A	TM5SDO2TFS	0.025/	0.055
	2 safety digital outputs, 24 V DC, transistor 2 A	TM5SDO2TAFS	0.025/	0.055
	4 safety digital outputs, 24 V DC, transistor 0.5 A	TM5SDO4TFS	0.025/	0.055
	4 safety digital outputs, 24 V DC, transistor 2 A	TM5SDO4TAFS	0.025/	0.055
	6 safety digital outputs, 24 V DC, transistor 0.2 A	TM5SDO6TBFS	0.025/	0.055
	2 NO safety relay outputs, 230 V AC 6 A	TM5SDO2DTRFS	0.101/	0.223
Safety analog input electronic modules				
Safety analog input modules	4 safety analog inputs, 0..20 mA/4..20 mA 24-bit resolution	TM5SAI4AFS	0.068/	0.150
	4 safety thermocouple inputs: PT100/PT1000 inputs, 24-bit resolution	TM5STI4ATCFS	0.066/	0.146
Safety counter electronic module				
Safety counter module	1 safety counter input, 24 V DC, sink, A-A, A-B, A-A'-B-B' wiring modes, 7 kHz maximum frequency	TM5SDC1FS	0.052/	0.115
Safety bus base for safety I/O electronic modules				
Safety bus base for safety I/O electronic modules	Internal interconnected I/O power supply; 0.13 W power consumption	TM5ACBM3FS	0.020/	0.044
Safety terminal blocks				
Safety terminal blocks	For use with TM5SDI●●●, TM5SDO●●●, TM5SDM4DTRFS and TM5SDC1FS safety modules (24 V DC power supply connected, 12-pin spring terminals, 10 A nominal current per contact)	TM5ACTB52FS	0.020/	0.044
	For use with PT1000 sensors on TM5STI4ATCFS module (24 V DC, 16-pin spring terminals, 10 A nominal current per contact)	TM5ACTB5EFS	0.040/	0.088
	For use with 4-20 mA analog inputs on TM5SAI4AFS module, digital mixed I/O TM5SDM8TBFS module and thermocouple inputs without compensation on TM5STI4ATCFS module (24 V DC, 16-pin spring terminals, 10 A nominal current per contact)	TM5ACTB5FFS	0.037/	0.082
Safety power distribution module				
Safety power distribution module (SPDM)	Power source for specified non-safety-related I/O modules, for use with dedicated TM5ACBM4FS safety bus base (with isolation on left) This supports the predefined safe power-off state for the connected I/O modules (24 V DC, 10 A with integrated safe cut-off function)	TM5SPS10FS	0.080/	0.176
Safety bus base	For use with TM5SPS10FS safety power distribution module (the internal I/O power supply is isolated on the left)	TM5ACBM4FS	0.059/	0.130
Interface module for distributed safety I/O on Sercos bus				
Sercos bus interface module	Communication module for Sercos III bus	TM5NS31	0.050/	0.110
Power distribution electronic module	Input power supply: 24 V $\bar{\text{---}}$ for Sercos bus, interface, and I/O expansion modules	TM5SPS3 (1)	0.025/	0.055
Bus base	For TM5NS31 and TM5SPS3 electronic modules Supplied with 2 protective plates, TM5ACPL10 and TM5ACPR10	TM5ACBN1	0.020/	0.044
Terminal block	12 spring terminals	TM5ACTB12PS	0.016/	0.035
	For TM5SPS3 electronic module			

(1) Supplied with 2 protective plates, TM5ACPL10 and TM5ACPR10