

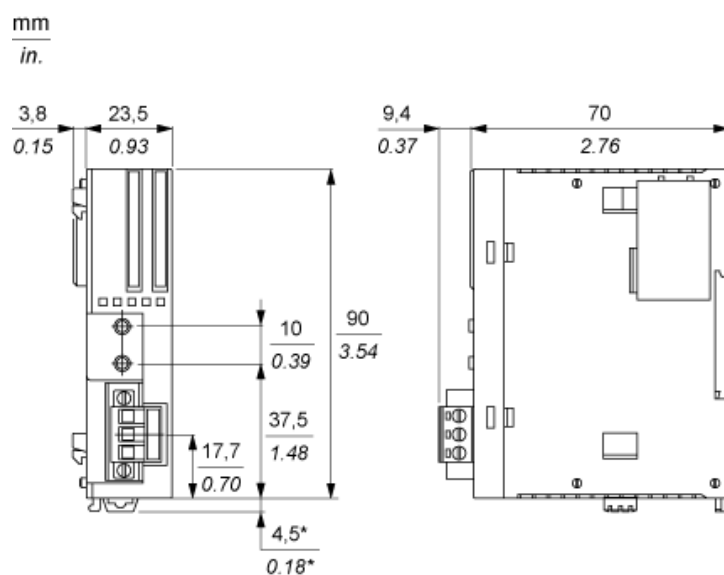


Range of product	Modicon M238 logic controller Twido
Product or component type	AS-Interface master module
Product compatibility	TWDLCAA24DRF TWDLCAA40DRF TWDLCAE40DRF TWDLCDA24DRF TWDLCDA40DRF TWDLCDE40DRF TWDLMDA20DRT TWDLMDA20DTK TWDLMDA20DUK TWDLMDA40DTK TWDLMDA40DUK
Bus type	AS-Interface M3 (7.3 analogue profile) V2.11
Addressing	Standard and extended
[Us] rated supply voltage	29.5...31.6 V DC
Number of slave	<= 7 for analogue module <= 62 for discrete module
Number of inputs	<= 248 for slaves in bank A and B <= 124 for standards slaves
Number of outputs	<= 186 for slaves in bank A and B <= 124 for standards slaves

Supply	External supply
Electrical connection	Removable screw terminal block (power supply)
Current consumption	80 mA at 5 V DC
Power dissipation in W	0.54 W at 24 V DC
Number of modules per base controller	2
AS-i cabling system cycle time	5 ms with 31 slave(s) 3 ms 10 ms with 62 slave(s) $0.156 \times (1 + N)$ ms with 20...62 slave(s)
Length of segment	<= 300 m with 2 repeaters ASIRPT01 <= 200 m with line extension TCSARR01M <= 200 m with 1 repeater ASIRPT01 <= 100 m
Status LED	3 LEDs (green) for output channel 3 LEDs (green) for input channel 1 LED (red) for unconnected mode (OFF) 1 LED (red) for configuration error (FLT) 1 LED (green) for module power (PWR) 1 LED (green) for local mode (LMO) 1 LED (green) for connected mode (CMO)
Product weight	0.085 kg

Product certifications	AS-Interface No 47801
IP degree of protection	IP20
Ambient air temperature for operation	0...55 °C
Ambient air temperature for storage	-25...70 °C

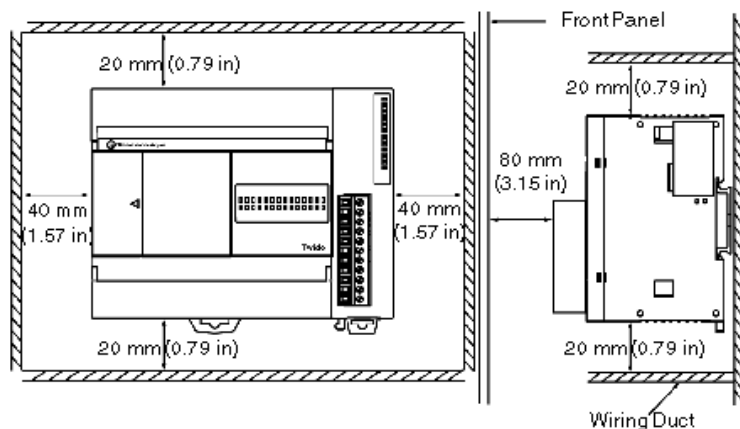
Dimensions



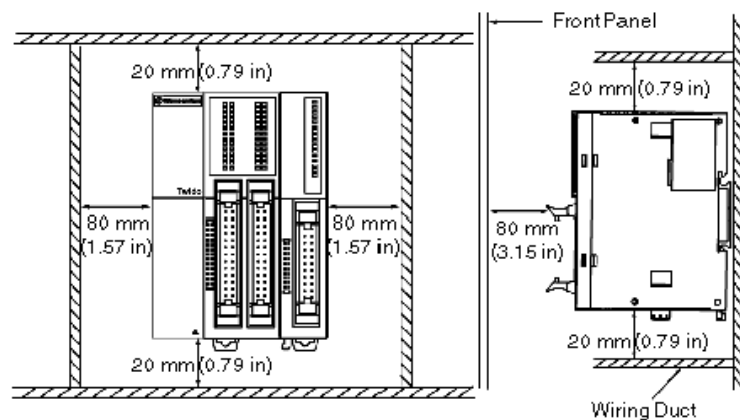
* 8.5 mm (0.33 in) when the clamp is pulled out.

Minimum Clearances

For a Compact Base and Expansion I/O Modules



For a Modular Base and Expansion I/O Modules



Mounting Hole Layout

