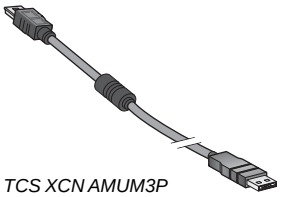
Controllers
Modicon M238 logic controller

TM238 LFDC24DT

TM238 LFAC24DR

TSX PLP 101


TCS XCN AMUM3P

TM200 RSRCEMC

499 TWD 01100

SR2 MOD03

References

Number of I/O	Inputs	Outputs	No. of I/O expansion modules	Integrated serial port	Integrated master CANopen port	Reference	Weight kg
Compact bases, 24 V ⎓ power supply							
24 I/O (removable battery to be ordered separately)	6 x 24 V ⎓ inputs (sink/source) 8 x 24 V ⎓ fast inputs (sink)	10 transistor outputs (source) including 4 fast	7 modules max.	1 RS 232/485 *(1)* (marked SL1)	–	**TM238 LDD24DT**	0.560
				1 RS 232/485 (marked SL1) 1 RS 485 *(1)* (marked SL2)	1	**TM238 LFDC24DT**	0.595
Compact bases, 100-240 V ∿ power supply							
24 I/O (removable battery to be ordered separately)	6 x 24 V ⎓ inputs (sink/source) 8 x 24 V ⎓ fast inputs (sink)	4 transistor outputs (source) and 6 relay outputs	7 modules max.	1 RS 232/485 *(1)* (marked SL1)	–	**TM238 LDA24DR**	0.560
				1 RS 232/485 (marked SL1) 1 RS 485 *(1)* (marked SL2)	1	**TM238 LFAC24DR**	0.595

Separate parts

Designation	Use		Length Sold	Reference	Weight kg
Removable backup batteries	Lithium thionyl chloride type for Modicon M238 compact bases TM238 L●●●●●		Individual	**TSX PLP 01**	0.012
			Pack of 10	**TSX PLP 101**	0.189
Terminal port/USB port cordset	From the mini B USB port on the Modicon M238 base to the type A USB port on the PC terminal for programming and updating firmware		3 m	**TCS XCN AMUM3P**	0.065
RS 232 serial link cordsets for DTE/DCE terminal device	1 RJ45 connector and one 9-way SUB-D connector	For DTE terminal (printer)	3 m	**TCS MCN3M4F3C2**	0.150
		For DCE terminal (modem, converter)	3 m	**TCS MCN3M4M3S2**	0.150
Removable spring connectors for digital I/O	Set of 5 removable spring connectors. Replaces the 5 screw connectors supplied with Modicon M238 compact bases		–	**TM238 RSSPT**	0.048
Shielding connection clamps	Attachment and earthing of the cable shielding Pack of 25 clamps including 20 clamps for Ø 4.8 mm cable and 5 for Ø 7.9 mm cable		Pack of 25	**TM200 RSRCEMC**	–
Modbus communication gateways	Connection of Modicon M238 base to network/bus	Ethernet Modbus/TCP	*(2)*	**499 TWD 01100**	0.200
		Profibus DP	*(3)*	**LUF P7**	0.245
		DeviceNet	*(3)*	**LUF P9**	0.245
GSM/GPRS modem (DCE terminal)	4-band 900/1800 MHz (Europe) and 850/1900 MHz (United States) IP 31 casing supplied with: ◻ 1.5 m power cable ◻ SMA-M magnetic GSM 4-band aerial with 2.5 m cable ◻ Fixed on panel or ⌙⌜ 5.5…24 V ⎓ supply voltage		–	**SR2 MOD03**	0.335

Designation	Use From	To	Length	Reference	Weight kg
Modbus cables equipped with 2 RJ45 connectors	Serial port marked SL1/SL2	Ethernet gateway 499 TWD 01100	2.5 m	**XBT Z9980**	–
		Profibus DP LUF P7 or DeviceNet LUF P9, TSX CUSB 485 converter	1 m	**VW3 A8 306 R10**	0.050
			3 m	**VW3 A8 306 R30**	0.150
			0.3 m	**VW3 A8 306 R03**	0.030

(1) RS 485 link delivering a 5 V ⎓/200 mA power supply.
(2) Connection to serial port SL1 on controllers **TM238 LDD24DT** and **TM238 LDA24DR** *or to serial port SL2 on controllers* **TM238 LFDC24DT** and **TM238 LFAC24DR** *via Modbus cable* **XBT Z9980** *(to be ordered separately).*
(3) Connection to serial port SL1 on controller controllers **TM238 LDD24DT** and **TM238 LDA24DR**, *to serial port SL1 or SL2 on controllers* **TM238 LFDC24DT** and **TM238 LFAC24DR** *via Modbus cable* **VW3 A8 306 R●●** *(to be ordered separately).*
Requires a 24 V ⎓ external power supply.
Gateway configurable via the ABC Config Tool software, downloadable from our website www.schneider-electric.com