

TN18 Operator terminal

The TN18 alphanumeric terminal has been designed to equip machines that must be easy to use and provide complete programming data. The IP64 protection makes TN18 ideal for the "toughest" workshop environments.

The keys have been designed so that they are touch-sensitive even when the operator is wearing working gloves.

Particular care was taken in the selection of the components to ensure brightness and contrast of the display. TN18 communicates over an RS232 serial line with devices to display information received from numerical controls and the possibility of sending programs and parameters. The terminal is 24 VDC or 24 VAC powered.



Code H0TN18001XX

CHARACTERISTICS	DESCRIPTION	NOTES
	GENERALS	
Dimensions (LxHxD)	332mm x 179mm x 50mm	
Installation	Panel	- Panel cutout 315 x 162 r.4 mm
Weight	1000g	
Operating environment	Industrial	
Protection class	Front: IP54 - Rear: IP20	
Operating temperature	From 0° to 50°C	
Operating humidity (without condensate)	From 10 to 90%	
Max operating altitude	2000m	

CHARACTERISTICS	DESCRIPTION	NOTES
	ELECTRICAL	
Supply voltage	DC 24v±20% AC 24v±20%	
Absorption	Max 25 W	
	CPU	
Microcontroller	Motorola AZ60 Internal RAM 2048 Byte EEPROM 1024 Byte Internal flash memory 61440 Byte Frequency MAX 8 MHz	
	INTERFACES	
Serial	1 RS232 line	- On DB9
	FUNCTIONAL	
Monitor	30-column x 16-line display Black and white display 80° visual angle	
Keyboard	Industrial, waterproof	- 32-keys, 5 softkeys, 2 function keys
	SOFTWARE	
- PUI	- For the creation of automation applications	- With UR10
- TN18GrFlash	- For use of the corporate logo - For image and icon management	

	INTERFACE	
UR050	Alimentazione: 18Vac 24Vdc Alimentazione encoder: 5-12Volt Line Driver Open Collector CPU: Motorola MCF5206E a 40 Mhz RAM: 1Mb – Flash Eprom: 1Mb ASSI (Max N.3) Freq max conteggio assi 500Khz con moltiplicatore per 4 I/O digitali : Max 16IN + 16OUT -- I/O digitali BLT: Max 48IN +48OUT 2 RS232 – 1 CANOpen – BLT	
UR10	Power supply: 18-30 VDC, 15-24 VAC Encoder power supply: 5-12 Volt Line Driver, Open Collector CPU: Motorola 32-bit 24 MHz RAM: 1MB - Flash EPROM: 1MB AXES: Max 6. Max axis count freq 500 KHz x 4 Digital inputs/outputs - BLT: Max 72+72 CAN: 96 inputs/outputs, 4 nodes of 64 inputs/outputs MAX - Maximum: 96I/O 2 RS232 - 1 ETH – 1 CANOpen - BLT	
Syncro rack	Power supply: 24 VAC+/-30% CPU: 68EC020 RAM: 2MB AXES: Max 6 - Max axis count freq 500Khz x 4 - +5/12V Push Pull, Open Collector, Line Driver Digital inputs/outputs - BLT: Max 80 inputs/outputs - CAN: 192 inputs/outputs - Maximum: 192 I/O Analog outputs +/-10V 2 RS232,RS422	
Single-board	Power supply: 24 VAC+/-30% CPU: MC68000 12MHZ RAM: 1MB - Flash EPROM 256KB AXES: Max 4 - Max axis count freq 500Khz x 4 - +5/12V Push Pull, Open Collector, Line Driver Analog outputs +/-10V 2 RS232	