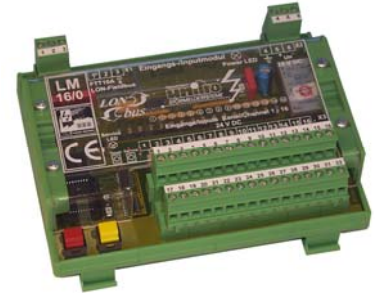


Overview LM series

General data: Creepage distances: Unitro-Standard
 Voltage tolerance: $\pm 10\%$
 Degree of protection: IP20
 Climatic conditions: Unitro-Standard
 EMC-values: Unitro-Standard
 Status indication with LEDs (dig. modules)
 Transparent cover with transparent technology



Type Function	LM 16/0	LM16/0-M+S ⁽¹⁾ LM32/0-M+S ⁽²⁾	LM0/16 mod.1 LM0/16 mod.2	LM 8/8R LM 8/8R PLT	LM 0/16R	LM 16/8R	LM0/32	LM 8 ana GT	LM 8 ana GT PLT22	LM0/8ana	LM0/16ana
Dimensions in mm	145x111x65	145x111x65 ⁽¹⁾ 195x128x40 ⁽²⁾	145x111x65	145x111x65	145x111x65	200x111x65	195x128x40	145x111x65	replaced by C3 PLT	145x111x65	195x128x45
Weight approx.	300g	300g ⁽¹⁾ 400g ⁽²⁾	300g	380g	380g	500g	400g	300g		370g	375g
Connection terminals	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 2,5mm ² LM0/32-M+S: Inputs: see above 1,5mm ² LON: RJ45, internal: RJ11	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 2,5mm ²	Supply: Screw-type terminals/ plug connection 2,5mm ² Outputs: s.o. 1,5mm ² LON+flash light s.: RJ45	Screw-type terminals/ plug connection 1,5mm ²		Screw-type terminals/ plug connection 2,5mm ²	Screw-type terminals/ plug connection 1,5mm ²
Power supply	24V AC/DC 100mA	24V AC/DC 100mA ⁽¹⁾ 200mA ⁽²⁾	24V AC/DC 100mA	24V AC/DC 150mA	24V AC/DC 150mA	24V AC/DC 150mA	24V AC/DC 3,3A $\pm 10\%$	24V DC 150mA		24V DC 100mA	24V DC 300mA (2,5mm ²)
Isolated inputs	24V AC/DC 6mA 2000V _{rms}	LM16/0-M+S: 24V AC/DC 6mA 2000V _{rms} LM32/0-M+S: internal supplied 2000V _{rms}		24V AC/DC 6mA 2000V _{rms}		24V AC/DC 6mA 2000V _{rms}		1-8 plug-in modules 0/4-20mA (20 Ω) 0-10V (1M Ω) PT 100 (2 wire / 3 wire) PT 1000 (2 wire / 3 wire) resolution: 14bit error range: < 0.01% sampling rate: 6Hz isolation 1kV U_{ss}			
Isolated outputs			optocoupler isolation 24V DC 250mA mod.1 sink mod.2 source	Normally open contacts max. 250V / 5A 2000V _{rms}	Normally open contacts max. 250V / 5A 2000V _{rms}	Normally open contacts max. 250V / 5A 2000V _{rms}	32 transistor outputs (Source), 24V DC, 100mA, 2000V _{rms} Continuous signal and clocked externally synchronized with 3 flash frequencies	1-8 plug-in modules 0/4-20mA (max. 600 Ω) 0-10V (min 1k Ω) resolution: 14bit error range: < 0.01% isolation g 1kV U_{ss}		common ground resolution 12bit not floating	common ground 0-10V, max. 5mA per channel resolution 12bit not floating
Neuron chip	3150 / 10MHz	3150 / 10MHz	3150 / 10MHz	3150 / 10MHz	3150 / 10MHz	3150 / 10MHz	3150 / 10MHz	3150 / 10MHz		3150 / 10MHz	3150 / 10MHz
Memory capacity	64kB / Flash	64kB / Flash	64kB / Flash	64kB / Flash	64kB / Flash	64kB / Flash	64kB / Flash	64kB / Flash		64kB / Flash	64kB / Flash
Bus-transceiver	FTT 10A TP	FTT 10A TP (only Master)	FTT 10A TP	FTT 10A TP replaced by C3 PLT	FTT 10A TP	FTT 10A TP	FTT 10A TP	FTT 10A TP		FTT 10A TP	FTT 10A TP (RJ45 connection)
Special functions	Inputs 18 - 70 VDC, 4mA, 2-pin led out, 2 freely assignable decimal switches	LM16/0-M+S: 10 bus connection to max. 14 slave modules including bus cable LM32/0-M+S: max. 7xSlave	Synchroniza-tion for two flash frequencies Mod 2: 3 flash frequencies	2-pin led out inputs and outputs 2 freely assignable decimal switches	2-pin led out outputs 2 freely assignable decimal switches	2-pin led out inputs and outputs 2 freely assignable decimal switches		2 freely assignable decimal switches		0-20mA 0-1mA 1-5V 0-10V	

(*)Terminals also available alternatively with spring terminals