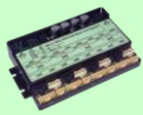


▪ Feedback Devices per axis:
▪ 1 x Hall sensor interface (digital or linear)
▪ Feedback#1 and Feedback#2 can be: ▪ Incremental encoder A / B (index Z only for Feedback #1): differential or single-ended; ▪ Absolute encoder: differential or single-ended. Supported protocols: SSI, BiSS, EnDAT, Tamagawa, Panasonic, Nikon, Sanyo Denki.
▪ Integrated termination resistors for each axis's feedback connectors, selectable via sliding switches
▪ 1 x analogue input per axis, 12-bit, software selectable: 0-5V or $\pm 10V$; Reference, Feedback or General purpose
▪ 3 x digital inputs per axis: 2 for limit switches + one Enable, NPN, pull-up on-board to +5V. Pull to GND to activate.
▪ 3 x configurable I/Os per axis, each software selectable as: ▪ Digital input, NPN, with pull-up on-board to +5V. Pull to GND to activate; ▪ Digital output, NPN (open-collector), with pull-up on-board to +5V. Sink current: 1 x 1.5A to drive inductive loads (such as mechanical brake), 2 x 0.1A.
▪ Communication interfaces: RS232; USB; TMLCAN and CANopen (CiA 301 v4.2, CiA 305 v.2.2.13 and CiA 402 v3.0) protocols
▪ 24Kwords E²ROM per axis to store setup data, TML motion programs, cam tables and other user data
▪ 16Kwords SRAM memory per axis for data acquisition
▪ Operating ambient temperature: 0-40°C (over 40°C with de-rating)
▪ Programmable protections: any short-circuit between motor phases, GND and/or supply, over/under-voltage, over-current, I²t drive & motor, control error
▪ >98% voltage efficiency, >98% power efficiency

- Compact 4-axis CAN motion system that integrates a motion controller and drive into a single unit, powered by MotionChip™ technology.
- Universal solution for control of rotary and linear brushless, brushed and 2 or 3-phase step motors
- Advanced motion control features, including CSP, CSV, CST, PVT, S-curve, electronic gearing, camming, and more.
- Motor supply: 48V nominal
- Motor output current per axis:
 - Nominal: 4A_{RMS} / 5.7A amplitude for PMSM motors
5A for DC / BLDC / Step motors
 - Peak: 11.3A_{RMS} / 16A amplitude
- Logic supply: 24V nominal, 48V max

Page: 1 of 5



Micro 4804 SX4-CAN Multi Axis System

DATASHEET

P/N: P020.102.E404

Mating Connectors

Producer	Part No.	Connector	Description
Molex	1053071203	J8, J9	1x3 Nano-Fit, 2.5mm Pitch Nano-Fit Wire-to-Board Housing, 3 circuits
Molex	1053071204	J7	1x4 Nano-Fit, 2.5mm Pitch Nano-Fit Wire-to-Board Housing, 4 circuits
Molex	1053071205	J2#x1	1x5 Nano-Fit, 2.5mm Pitch Nano-Fit Wire-to-Board Housing, 5 circuits
Molex	5011892010	J3#x1	2x10 Pico-Clasp, 1mm Pitch Pico-Clasp Wire-to-Board Housing, 20 Circuits
Molex	5013301300	J4#x1	1x13 Pico-Clasp, 1mm Pitch Pico-Clasp Wire-to-Board Housing, 13 Circuits
Molex	1053081208	J1	Nano-Fit Receptacle Housing, TPA Capable, 2.5mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable
Tensility International Corp	1002333	J6#x1	USB cable, Cable USB A Male - Micro B Male, 1m, shielded, black, 9.6mm plastic width
Molex	0797582140	J1, J7, J8, J9, J2#x1	Pre-Crimped wires for Nano-Fit Cable Assembly, Nano-Fit Crimp Terminal Socket to Nano-Fit Crimp Terminal Socket, 300mm
Molex	0797581019	J3#x1, J4#x1	Pre-Crimped wires for Pico-Clasp Cable Assembly, Pico-Clasp Crimp Terminal Socket to Pico-Clasp Crimp Terminal Socket, 300mm
Molex	1053001400	J1, J7, J8, J9, J2#x1	Pins for Nano-Fit Nano-Fit Crimp Terminal, Female, 0.76µm Gold (Au) Plating, Lubricated, 24-26 AWG
Molex	5011937000	J3#x1, J4#x1	Pins for Pico-Clasp 1.00mm Pitch, Pico-Clasp Female Crimp Terminal, Gold Plating 0.1µm, 28-32 AWG, Reel
Molex	638276000	J1, J7, J8, J9, J2#x1	Crimp tool Nano Fit Crimp Tool, Ratchet, Molex Nano-Fit 105300 Series 26-24AWG Socket Contacts, 207129 Series
Molex	638191500	J3#x1, J4#x1	Crimp tool Pico-Clasp Crimp Tool, Ratchet, Molex Pico-Clasp 501193 & 501334 Series 32-28AWG Contacts

Pin	Name	Type	Description
1,2,3	+Vmot	I	Positive terminal of the motor supply: 7 to 48 V _{DC} . Internally connected to all 4 drives +V _{mot} pins.
4	PE	-	Earth connection.
5,6,7	GND	-	Ground return. Internally connected to other GND pins.
8	PE	-	Earth connection

Pin	Name	Type	Description
1	A/A+	O	Phase A for 3-ph motors, A+ for 2-ph steppers, Motor+ for DC brush motors
2	B/A-	O	Phase B for 3-ph motors, A- for 2-ph steppers, Motor- for DC brush motors
3	C/B+	O	Phase C for 3-ph motors, B+ for 2-ph steppers
4	Cr/B-	O	Chopping resistor / Phase B- for 2-ph steppers
5	PE	-	Earth connection for motor cable shielding

Pin	Name	Type	Description
1	232TX	O	RS-232 Data Transmission.
2	232RX	I	RS-232 Data Reception.
3	GND	-	Ground return.
4	+Vlog	I	Positive terminal of the logic supply input: 6 to 48 V _{DC} . Internally connected to other +V _{log} pins.
5	IN2/LSP	I	5-48V digital NPN input. Positive limit switch input.
6	IN3/LSN	I	5-48V digital NPN input. Negative limit switch input.
7	I/O0	I/O	5-48V 1.5A NPN (sink) general-purpose digital programmable input IN0 or output OUT0
8	I/O1	I/O	5-48V 0.1A NPN (sink) general-purpose digital programmable input IN1 or output OUT1
9	I/O4	I/O	5-48V 0.1A NPN (sink) general-purpose digital programmable input IN4 or output OUT4
10	IN5/Enable	I	5-48V digital NPN input. Drive Enable input.
11	GND	-	Ground return. Internally connected to other GND pins.
12	AnalogIn	I	Analog input (range software selectable 0-5V or ±10V)
13	+5V	O	Supply for all feedback sensors.

1 "x" can be drive 1, 2, 3 or 4

Name ALN	First edition July 12, 2024	Document template: P099.TQT.564.0001	Last edition May 1, 2025	Visa: AS
 TECHNOSOFT		Title of document Micro 4804 SX4-CAN Multi Axis System PRODUCT DATA SHEET	N° document P020.102.E404.DSH.10G Page: 2 of 5	

Pin	Name	Type	Description
1	GND	-	Ground return. Internally connected to other GND pins.
2	Hall1	I	Digital Hall, or Linear Hall sensor 1.
3	+5V	O	5V supply for all feedback sensors.
4	Hall2	I	Digital Hall, or Linear Hall sensor 2.
5	+5V	O	5V supply for all feedback sensors.
6	Hall3	I	Digital Hall, or Linear Hall sensor 3.
7	EncA1+/EncA1 Dt1+/Dt1	I	Encoder 1 A+ / Data+ diff. input or single-ended input. Set SW1 pin 1 for differential.
8	GND	-	Ground return.
9	EncA1-/Dt1-	I	Encoder 1 A-/Data- diff. input. Set SW1 pin 1 for differential.
10	+5V	O	5V supply for all feedback sensors.
11	EncB1+/EncB1 Clk1+/Clk1	I	Encoder 1 B+ / Clock+ diff. input or single-ended input. Set SW1 pin 2 for differential.
12	EncA2+/EncA2 Dt2+/Dt2	I	Incr. encoder 2 A / Data+ diff. input or single-ended input. Set SW1 pin 4 for differential.
13	EncB1-/Clk1-	I	Encoder 1 B- / Clock- diff. input. Set SW1 pin 2 for differential.
14	EncA2-/Dt2-	I	Incr. encoder 2 A- / Data - diff. input. Set SW1 pin 4 for differential.
15	Z1+	I	Incr. encoder 1 Z / Z+ diff. input or single-ended input. Set SW1 pin 3 for differential.
16	EncB2+/EncB2 Clk2+/Clk2	I/O	Encoder 2 B+ / Clock+ diff. input or single-ended input. Set SW2 pin1 for differential.
17	Z1-	I	Incr. encoder 1 Z- diff. input. Set SW1 pin 3 for differential.
18	EncB2-/Clk2-	I	Encoder 2 B- / Clock- diff. input. Set SW2 pin1 for differential.
19	GND	-	Ground return.
20	+Vlog	I	Positive terminal of the logic supply input: 6 to 48 V _{DC} . Internally connected to other +V _{log} pins.

Pin	Name	Type	Description
1	GND	-	Ground return.
2	Can Lo	I/O	CAN-Bus negative line (dominant low)
3	Can Hi	I/O	CAN-Bus positive line (dominant high)

Port	Name	Type	Description
J6#x1	USB	I/O	Standard Micro USB for PC data transfer
J5#x1	Reserved	-	Reserved. Do not connect.

Pin	Name	Type	Description
1	Rsvd	-	Reserved. Do not connect.
2	GND	-	Ground return. Internally connected to other GND pins.
3	+Vlog	I	Positive terminal of the logic supply input: 6 to 48 V _{DC} . Internally connected to all 4 drives +V _{log} pins.
4	PE	-	Earth connection

SW1#x1 – Feedback Resistors selection

Position	Description
1	ON = Connect an 120Ω resistor between EncA1-/Dt1- and EncA1+/EncA1/Dt1+/Dt1 feedback pins.
2	ON = Connect an 120Ω resistor between EncB1-/Clk1- and EncB1+/EncB1/Clk1+/Clk1 feedback pins.
3	ON = Connect an 120Ω resistor between Z1- and A / Z1+ feedback pins.
4	ON = Connect an 120Ω resistor between EncA2-/Dt2- and EncA2+/EncA2/Dt2+/Dt2 feedback pins.

SW2#x1 – Feedback Resistors selection

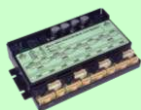
1	ON = Connect an 120Ω resistor between EncB2-/Clk2- and EncB2+/EncB2/Clk2+/Clk2 feedback pins.
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SW5 – CAN Resistors selection

1	ON = Connect an 120Ω resistor between CAN Hi and CAN Lo signals. Physically located near J9 connector.
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SW4 – Protocol selection

1	OFF – CANOpen mode ON – TMLCAN mode
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Micro 4804 SX4-CAN Multi Axis System DATASHEET P/N: P020.102.E404

SW3 - AxisID selection

SW3				Drive AxisID			
Pin 1	Pin 2	Pin 3	Pin 4	Drive #1	Drive #2	Drive #3	Drive #4
off	off	off	off	1	2	3	4
off	off	off	on	9	10	11	12
off	off	on	off	17	18	19	20
off	off	on	on	25	26	27	28
off	on	off	off	33	34	35	36
off	on	off	on	41	42	43	44
off	on	on	off	49	50	51	52
off	on	on	on	57	58	59	60
on	off	off	off	65	66	67	68
on	off	off	on	73	74	75	76
on	off	on	off	81	82	83	84
on	off	on	on	89	90	91	92
on	on	off	off	97	98	99	100
on	on	off	on	105	106	107	108
on	on	on	off	113	114	115	116
on	on	on	on	121	122	123	124

Electrical characteristics

All parameters measured under the following conditions (unless otherwise specified):

- $V_{LOG} = 24$ VDC; $V_{MOT} = 48$ VDC; $F_{PWM} = 20$ kHz
- Ambient temperature = 25°C (typical values) / 0°C...40°C (min/max values)
- Supplies start-up / shutdown sequence: -any-
- Load current = nominal
- Data is provided for each axis of the system

Operating Conditions		Min.	Typ.	Max.	Units	
Ambient temperature		0		40 ¹	°C	
Ambient humidity		0		90	%Rh	
Altitude / pressure ²	Altitude (vs. sea level)	-0.1	0 ± 2.5 ²		Km	
	Ambient Pressure	0	0.75 ± 1	10.0	atm	
Storage Conditions		Min	Typ	Max	Units	
Ambient temperature		-40		100	°C	
Ambient humidity		0		100	%Rh	
Ambient Pressure		0		10.0	atm	
ESD capability (Human body model)	Not powered; applies to any accessible part			±5	kV	
	Original packaging			±15	kV	
Mechanical Mounting			Min	Typ	Max	Units
Airflow		natural convection, closed box, vertical				
Spacing required between adjacent drives			10			mm
Spacing required above drive		For counter-connectors & cable bending		30	80	
Environmental Characteristics		Min.	Typ.	Max.	Units	
Size (Length x Width x Height)	Global size	118.2 x 71.4 x 21.7			mm	
		~4.65 x 2.81 x 0.85			inch	
Weight		150			g	
Cleaning agents		Dry cleaning is recommended			Only Water- or Alcohol-based	
Protection degree		According to IEC60529			IP20	-
Power dissipation	Idle (I _{MOT} = 0A)		1	1.2	W	
	Full power (I _{MOT} = nominal)		2.0	2.4		
Power efficiency		Full power (I _{MOT} = nominal)			98.7	
Voltage efficiency	f _{PWM} = 20KHz		98.3			%
	f _{PWM} = 100KHz		91.4			
Surface temperature of metallic baseplate		40				°C
Logic Supply Input (+V _{LOG})		Min	Typ.	Max.	Units	
Supply voltage	Nominal values	6	24	48	V _{DC}	
	Absolute maximum values, drive operating but outside guaranteed parameters	4.9		50	V _{DC}	
	Absolute maximum values, continuous	-0.5		53	V _{DC}	
Supply current	+V _{LOG} = 12V		90	150	mA	
	+V _{LOG} = 24V		60	90		
	+V _{LOG} = 48V		45	60		
Utilization category		Acc. to 60947-4-1 (I _{PEAK} ≤ 1.05 * I _{NOM})				DC-1
Motor Supply Input (+V _{MOT})		Min	Typ.	Max.	Units	
Supply voltage	Nominal values	7		48	V _{DC}	
	Absolute maximum values, drive operating but outside guaranteed parameters	6		50	V _{DC}	
	Absolute maximum values, continuous	-0.5		53	V _{DC}	
Supply current	Idle		0.3		mA	
	Operating	-16	±7	+16	A	
Voltage measurement error			±0.15	±0.25	V	
Utilization category		Acc. to 60947-4-1 (I _{PEAK} ≤ 4.0 * I _{NOM})				DC-3

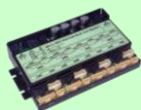
Motor Outputs (A/A+, B/A-, C/B+, CR/B-)				Min.	Typ.	Max.	Units
Nominal current	PMSM motors sinusoidal amplitude					±5.7	A
	PMSM motors sinusoidal RMS					4	A _{RMS}
	DC/BLDC/STEP motors continuous					5	A
Peak current	maximum 4 seconds			-16		+16	A
Short-circuit protection threshold					±25	±28	A
Short-circuit protection delay				2.6		3.5	µs
On-state voltage drop	Nominal output current; including typical mating connector contact resistance				50	70	mV
Off-state leakage current					0.3	1	mA
Current measurement	Accuracy (FS = Full Scale)				±1	±1.5	%FS
	Noise (current ≤ 2A)				±4	±6	mA
	Noise (current ≥ 2A)				±30	±50	
	Offset drift (compensated @ AxisOn)					±0.16	mA/°C
Motor inductance (phase-to-phase)	Recommended value to avoid spurious short-circuit protection, triggered by ripple	Fast loop ³	V _{MOT}				µH
		50µs	48V		133		
		100µs	48V		266		
		50µs	24V		66		
		100µs	24V		133		
Motor electrical time-constant (L/R)	Recommended value for ±5% current measurement error	F _{PWM} = 20 kHz		330		µs	
		F _{PWM} = 40 kHz		170			
		F _{PWM} = 60 kHz		140			
		F _{PWM} = 80 kHz		80			
		F _{PWM} = 100 kHz		66			
Digital Inputs (IN0, IN1, IN2/LSP, IN3/LSN, IN4, IN5/ENA)				Min.	Typ.	Max.	Units
Mode compliance				NPN (sink)			
Default state	Input floating (wiring disconnected)			Logic HIGH			
Input voltage	Logic "LOW"	IN0, IN1, IN4, IN5/ENA		1.4	1.8	V	
	Logic "HIGH"		3.1	2.5			
	Hysteresis		0.9	1.1	1.4		
	Logic "LOW"	IN2/LSP, IN3/LSN		1.4	1.6		
	Logic "HIGH"		4	3.5			
	Hysteresis			0.6			
	Floating voltage (not connected)			4.7			
	Absolute maximum, continuous	IN2/LSP, IN3/LSN, IN5/ENA	-2		+80		
-0.5				V _{LOG} +0.5			
Input current	Logic "LOW"; Pulled to GND		6.5	8	mA		
	Logic "HIGH"; Pulled to +24V		0.2	0.4			
Input frequency				0		500	kHz
Minimum pulse				1			µs
ESD protection - Human body model				±2			kV
Digital Outputs (OUT0, OUT1, OUT4)				Min.	Typ.	Max.	Units
Mode compliance				NPN (sink) 24V			
Load type				Resistive, Inductive			
Default state	Not supplied (+V _{LOG} floating)			High-Z (floating)			
	Immediately after power-up			Logic "HIGH"			
	Output voltage	Logic "LOW"; output current = 1.5A for OUT0/ 0.05A for OUT1, OUT4				0.4	V
		Logic "HIGH"; output current = 0, no load		4	4.7	5.2	
		Logic "HIGH", external load to +V _{LOG}			V _{LOG}		
		Absolute maximum, continuous (free-wheeling diodes to +V _{LOG} to GND)		-0.5		V _{LOG} +0.5	
	Absolute maximum, surge (duration ≤ 1s) [†]		-1		V _{LOG} +1		
Output current	Logic "LOW", sink current, short duration, duty cycle <1%	5s max	OUT1, OUT4 OUT0		0.1	A	
		0.5s max	OUT1, OUT4 OUT0		2		
					0.15		
	Logic "LOW", sink current, continuous; V _{OUT} ≤ 0.4V	0.5s max	OUT1, OUT4 OUT0		2.5		
					0.05		
	Logic "HIGH", source current; external load to GND; V _{OUT} ≥ 2.0V				5	mA	
	Logic "HIGH", leakage current; external load to +V _{LOG} ; V _{OUT} = V _{LOG} max = 40V	V _{LOG} =24V V _{LOG} =48V		0.18	0.2	mA	
				0.42	0.45		
Minimum pulse width				0.5			µs
ESD protection - Human body model				±25			kV
Supply Output (+5V)				Min.	Typ.	Max.	Units
Output voltage	Current sourced = 400mA ⁴			5.05	5.2	5.25	V
Output current ⁴	Output voltage ≥ 4.85V					1,200	mA
Short-circuit to GND protection				Yes / Drive resets at event			
Over-voltage protection				NOT protected			
ESD protection	Human body model			±1			KV

¹ Operating temperature at higher temperatures is possible with reduced current and power ratings
² Micro 4804 can be operated in vacuum (no altitude restriction), but at altitudes over 2,500m, current and power rating are reduced due to thermal dissipation efficiency.

³ Fast loop period of 50µs is not possible with all feedback device types.

⁴ Specified currents are intended per drive. Each drive has separate +5V outputs

current and power rating are reduced due to thermal dissipation efficiency.					
Name ALN	First edition July 12, 2024	Document template: P099.TQT.564.0001		Last edition May 1, 2025	Visa: AS
 TECHNOSOFT		Title of document		N° document	
		Micro 4804 SX4-CAN Multi Axis System PRODUCT DATA SHEET		P020.102.E404.DSH.10G	
Page: 3 of 5					



Micro 4804 SX4-CAN Multi Axis System

DATASHEET

P/N: P020.102.E404

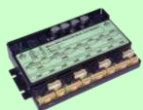
Hall Inputs (Hall1, Hall2, Hall3)			Min.	Typ.	Max.	Units	
Mode compliance		TTL / CMOS / Open-collector (NPN sink), or analog (linear) 0...5V					
Default state	Input floating (Wiring disconnected)		4.5	4.8	5.2	V	
Input voltage	Digital	Logic "LOW"		1.5	1.7		
		Logic "HIGH"	3	2.5			
		Hysteresis		0.5			
	Analog	0	0.5...4.5	4.95	mA		
Input current	Logic "LOW"; Pull to GND		2.4				
	Logic "HIGH"; Internal 2.2K Ω pull-up to +5		0				
Minimum pulse width				66		μ s	
ESD protection - Human body model				$\pm$ 15		kV	
Encoder Inputs (A1+, A1-, B1+, B1-, Z1+, Z1-, A2+, A2-, B2+, B2-)			Min.	Typ.	Max	Units	
Single-ended mode compliance	Leave A1-, B1-, Z1-, A2-, B2- floating		TTL / CMOS / Open-collector (NPN sink)				
Single-ended threshold	A1+, B1+, Z1+, A2+, B2+		1.3	1.4	1.5	V	
Single-ended input current	Input pulled to GND against on-board 2.2 K Ω pull-up to +5V			2.4	2.7	mA	
Differential mode compliance	For full RS422 compliance, see ¹		TIA/EIA-422-A				
Input voltage	Hysteresis		$\pm$ 0.03	$\pm$ 0.05	$\pm$ 0.2	V	
	Differential mode		-15		+15		
	Common-mode range (A+ to GND, etc.)		-7		+12		
Input impedance, differential	Common-mode (A1+ to GND, etc.)			2.2		k Ω	
	Differential (A1+ to A1-, etc.)			4.4			
Input frequency	Differential mode		0		15	MHz	
Minimum pulse width	Differential mode		33			ns	
ESD protection	Human body model		$\pm$ 30			kV	
RS-232			Min.	Typ.	Max.	Units	
Compliance			TIA/EIA-232-C				
Bit rate	Default	9600					
	Software selectable	9600		115200		Baud	
Output voltage		$\pm$ 5	$\pm$ 5.7			V	
Short-circuit	232TX to GND	Guaranteed					
Input voltage	Absolute maximum, continuous	-30		+30		V	
ESD protection	Human body model	$\pm$ 15				kV	
Absolute encoder interface: SSI, BiSS-C, EnDAT, Tamagawa, Nikon, Sanyo Denki			Min	Typ.	Max	Units	
Single-ended mode	Not recommended, reduced robustness & speed						
Differential mode compliance	For full RS422 compliance, see ¹		TIA/EIA-422-A				
Output voltage	Differential; 50 Ω differential load		1.5	3.3		V	
	Common-mode, referenced to GND		1	1.7	3		
CLOCK frequency	Nikon, Sanyo Denki		2.5, 4				MHz
	Panasonic, Tamagawa		2.5				
	All others		1, 2, 3, 4				
Output Short- circuit protection	Common-mode voltage $\pm$ 15V		Yes, protected				
DATA format	Software selectable		Binary / Gray				
			Single-turn / Multi-turn				
			Counting direction				
			CRC type				
DATA resolution	Including CRC, flags, ...				64	Bits	
If total resolution >31 bits, some bits must be ignored by software setting to achieve a max. 31 bits resolution							

Analog Input (REF/ FDBK)		Min	Typ.	Max	Units
Input voltage	Operational range	0...5, -10...+10			
	Absolute maximum values, continuous	-22		+26	V
	Absolute maximum, surge (duration $\leq$ 1s)			$\pm$ 38	
Input impedance	To 1.44V		20		k Ω
Bandwidth (-3dB)	Software selectable	0		5.3	kHz
Resolution		12			
Integral linearity				$\pm$ 1	bits
Offset error	Range -10V ... +10V		$\pm$ 10	$\pm$ 30	mV
	Range 0 ... +5V		$\pm$ 15	$\pm$ 40	
Gain error	Range -10V ... +10V		$\pm$ 30	$\pm$ 50	
	Range 0 ... +5V		$\pm$ 25	$\pm$ 40	
ESD protection	Human body model	$\pm$ 1.5			kV
CAN-Bus		Min.	Typ.	Max.	Units
Compliance		CAN 2.0B, ISO 11898-2			
Software protocols compatibility		CiA301, CiA305, CiA402, TechnoCAN, TMLcan			
Bit rate	Software selectable	125, 250, 500, 1000			KBaud
Node addressing	TMlcan	SW3 selectable	1+124		-
	CANopen				-
Voltage	Common-mode, operating	-12		+12	V
	Common-mode, max. continuous	-58		+58	V
	Differential, max. continuous	-45		+45	V
Input impedance	Differential	40		90	k Ω
	Common-mode	20		45	k Ω
Termination resistor (120 Ω)		Included – SW5			
ESD protection	Human body model	$\pm$ 10			kV

[†] Stresses beyond values listed under "absolute maximum ratings" may cause permanent damage to the device. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.

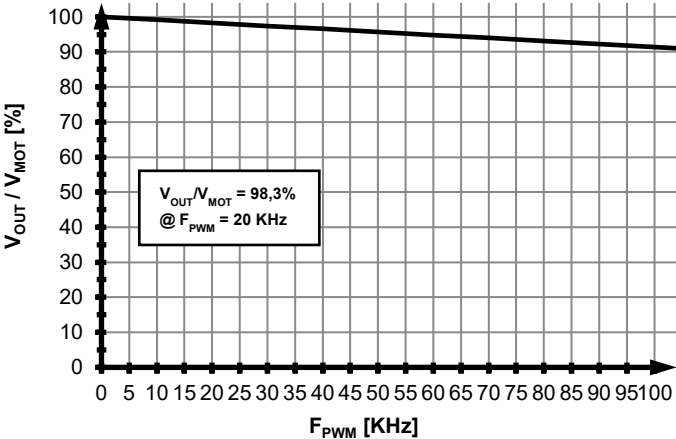
¹ To achieve full RS-422 compatibility and enhance noise rejection, it is necessary to connect an 120 Ω resistor across each signal pair (A1+/A1-, B1+/B1-, Z1+/Z1-, A2+/A2-, B2+/B2-). This can be done through SW1 and SW2.

Name ALN	First edition July 12, 2024	Document template: P099.TQT.564.0001	Last edition May 1, 2025	Visa: AS
 TECHNOSOFT		Title of document Micro 4804 SX4-CAN Multi Axis System PRODUCT DATA SHEET	N° document P020.102.E404.DSH.10G Page: 4 of 5	

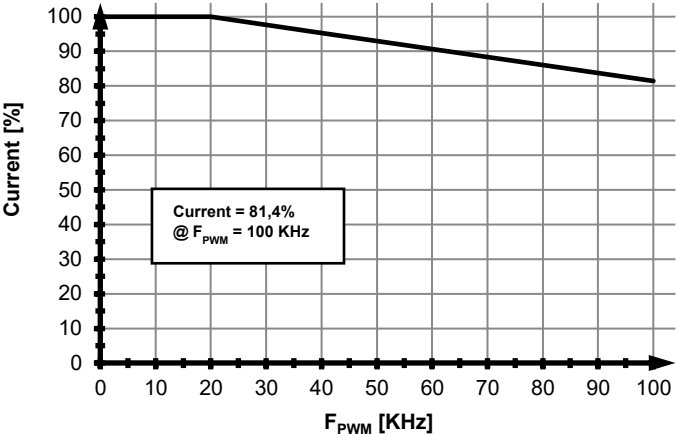


Micro 4804 SX4-CAN Multi Axis System
DATASHEET
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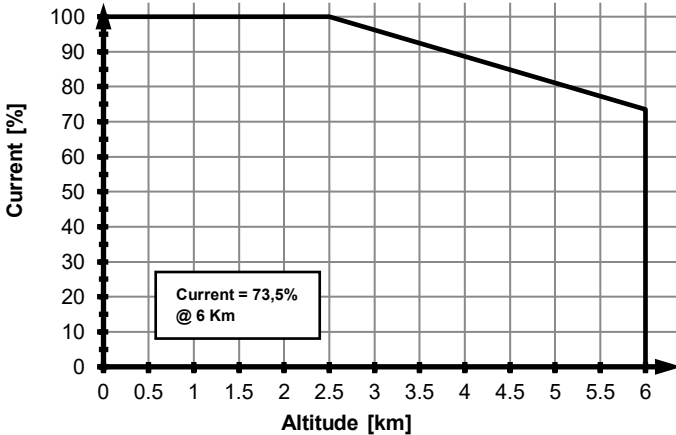
Micro 4804 SX



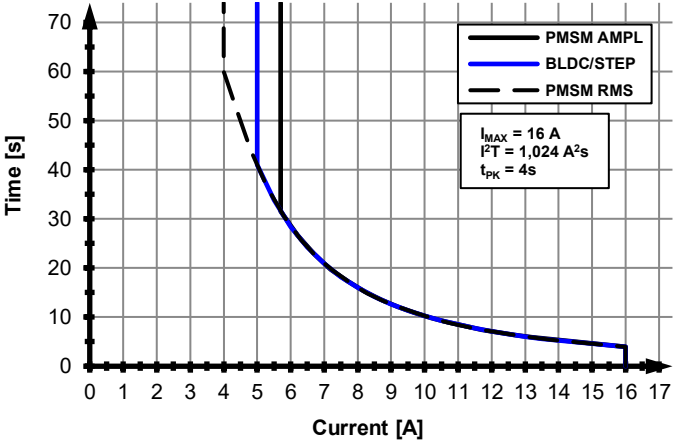
Micro 4804 SX



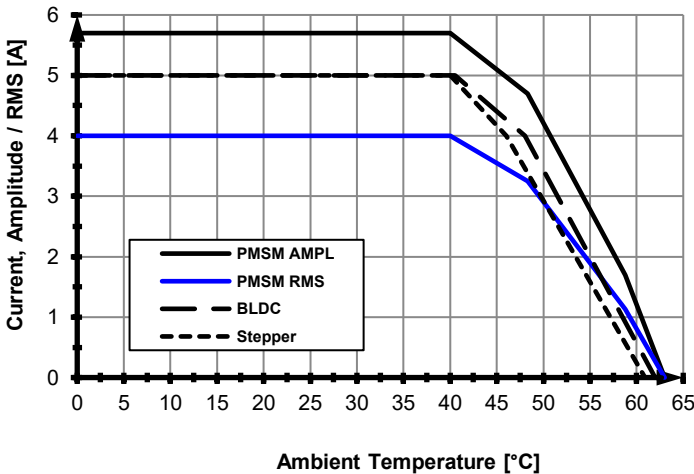
Micro 4804 SX



Micro 4804 SX



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 TECHNOSOFT		Title of document Micro 4804 SX4-CAN Multi Axis System PRODUCT DATA SHEET		N° document P020.102.E404.DSH.10G Page: 5 of 5