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MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

General information

Description	Int.Step 12-72VDC, IO-Link 2con, EncC-L, CN1: PWR+IOLink(5pM) CN2: 3IA/1O RS485 (8pF), Notice: Check IOLINK master for current and voltage limitation, read more in the manual., High Resolution: 409.600 step/rev. ±0.01 RPM, Programmable (incl. current, position & velocity), Closed-Loop Semi-Abs. Encoder 4096 CPR, Ø6.35x20 mm Round Shaft: IP42Motor: IP42, 56.4x103 mm Holding Torque: 0.97 NmMax. 177.00 WRadial Connector12-72 VDC		
Manufacture	JVL	**Motor type**	Integrated Stepper - Rotating
Motor resolution	409600	**Encoder type**	H2 Incremental/abs_singleturn
Speed [Rpm]	3000.00	**Power Peak [W]**	177.00
Flange size	NEMA 23 - 57x57mm	**Shaft size - Front [mm]**	6.35 mm
Running torque [Nm]	0.97	**Rated Winding current [A]**	6.0
Holding torque [Nm]	0.97	**Connectivity: Without module**	IO-Link
Integrated PLC	Yes	**PLC no. of DI/DO/AI**	8
Closed loop	Yes	**STO connector**	No
Integrated gear	No	**Gear ratio**	
Brake	External brake option	**Protection House/Shaft**	
Shaft Double	No	**Main supply [V]**	12-72
Main supply UL [V]	12-60	**Voltage type - Main**	DC
Control voltage (CVI/O+) [VDC]	7-28	**Control Voltage for UL recognized**	7–30 VDC 150 mA + max 500 mA for user outputs
Weight net [kg]	0.98	**MTBF 100% [Year]**	13
Weight gross [kg]	1.11	**MTBF 30% [Year]**	15
Software	MacTalk		

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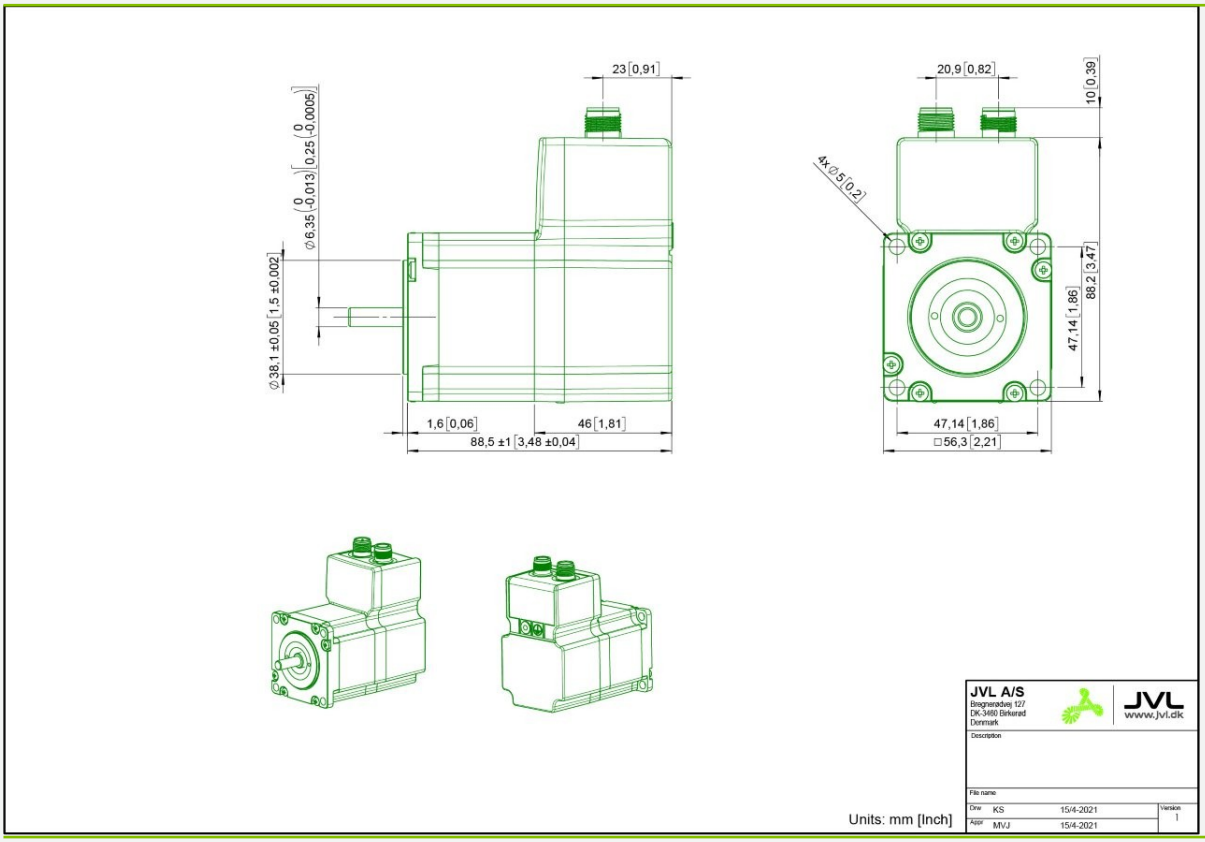
General information

CE Marked	Yes		
Approval - ROHS-3	Yes		
Approval UL	Yes. Recognized	**UL Installation**	Read more in usermanual about UL precautions
Ambient Temperature range [°C]:		**Max. Amb. Temperature range - Torque derating:**	
Maximum Installation Altitude [m]:		**- Power Derating every 1000m over 1000m [%]:**	
Motion Information:			
Velocity Precision [+/-ppm]		**Velocity Resolution [Rpm]**	
Acceleration / Deceleration Range [Rpm/s]		**Acceleration / Deceleration Range [Rpm/s]**	
Electronic Gearing Ratio [Range / Resolution]		**Country Of Origin**	DK
Tariff no	85015100	**Tariff no US**	

MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Mechanical information

Paint type



Motor length [mm]	103	**Motor width [mm]**	56.4
Motor height [mm]	88.1		
Protection house	IP42	**Protection shaft**	IP42
		Flange Rear	No
Flange Type Front		**Flange Type Rear**	
Motor diameter center front [mm]	38.1	**Motor diameter center rear [mm]**	
Bolt circle diameter front [mm]	66.6	**Bolt circle diameter front [mm]**	
Mounting holes front [mm]	5 mm	**Mounting holes rear [mm]**	
Flange Thickness [mm]		**Flange material**	Aluminium
		Shaft Double	No
Shaft Type Output	Round	**Shaft Type Rear**	
Shaft size - Front [mm]	6.35 mm	**Shaft size - Rear**	-
Shaft length Front [mm]	20.0	**Shaft length Rear [mm]**	
Shaft material	Stainless steel AISI303	**Shaft Key included**	Key NOT included
Shaft Key Dimension	-		
Integrated gear	No	**Gear ratio**	

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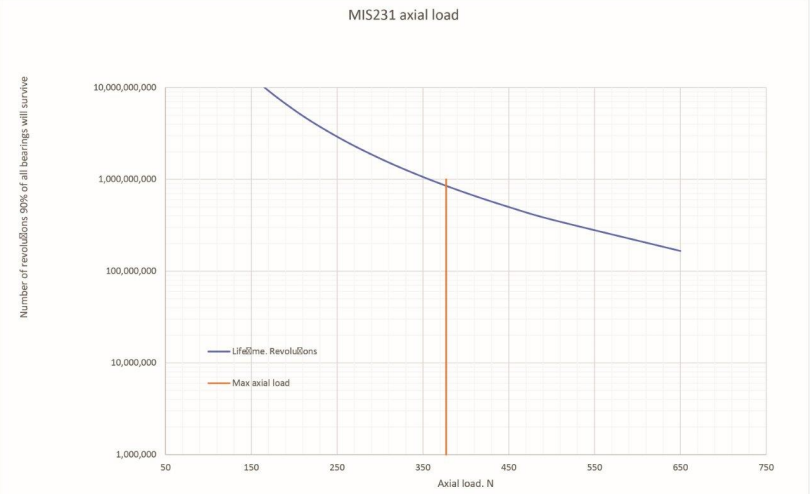
MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Mechanical information

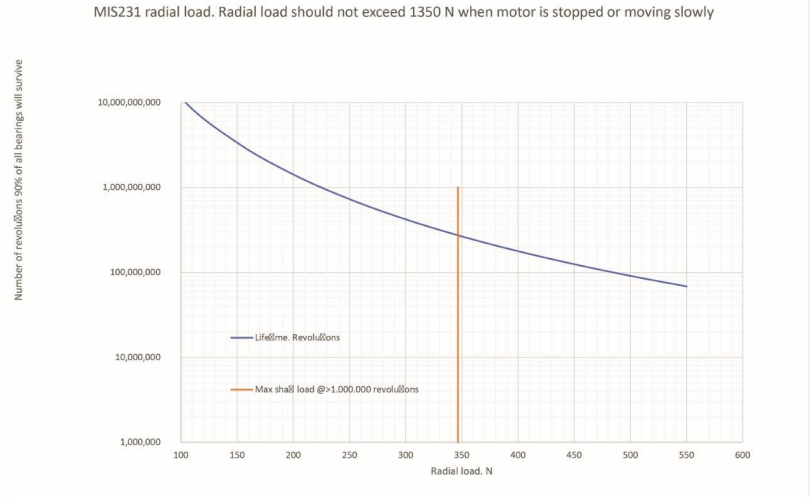
Gear efficiency [%]	< -	**Gear backlash [ArcMin]**	-
Brake	External brake option	**Brake - Go ON time [ms]**	-
Brake Holding torque [Nm]	-	**Brake - Go OFF time [ms]**	-
Rotor inertia [kgcm^2]	0.3	**Max inertia factor**	40
Precision Motor - Absolute [Deg -/+]	0.35	**Precision Motor - Max Load [Deg -/+]**	
Precision Motor - Repeatabillity [Deg -/+]	0.15	**Step angle [°/full step]**	1.8°
CAD 2D [PDF]	Download	**CAD 3D [STEP]**	Download
CAD 2D [DWG]	No	**CAD 3D [DWG]**	No
CAD 3D [EASM]	Download	**CAD 3D [IGES]**	No
Datasheet - pdf		**CAD file page**	Link
User Manual	Download	**WEB page**	Link
Approval UL	Yes. Recognized	**UL Installation**	Read more in usermanual about UL precautions
STO connector	No	**Approval - ATEX**	No
Approval TÜV - STO	No	**Oil resistant**	
Temperature ambient [°C]	0...40 °C and 0...70 °C with derating of performance	**Temperature storage**	-40...70 °C
Humidity working	5...93% non-condensing	**Vibration**	5-25 Hz: +/-1.6mm, 25-500Hz: 4G, 1.0 oct./min
Shock	15G, 30ms. 6 x 1000 cycles in +/-X, +/-Y, +/-Z	**Withstand Voltage**	500 VDC between earth and supply ground
EMC in general	EMC Directive DIR2014/30/EU	**EMC Emission**	EN61800-3 / EN61000-6-3 / EN61000-6-4 all 2. enviroment
EMC Immunity	En IEC 61800-3 / EN61000-6-1 all 2. enviroment	**Safety in general**	LVD DIR2014/35/EU / EL61800 - USA and Canada only MIS34x products are pending
Safety wo STO	EN60950-1	**Safety w STO**	EN60950-1 / EN61508-1/-2 SIL3 / ISO13849-1/-2 / ISO62061 / EN61800-5-1/-2
Inviromental	IEC 60068-2-27, Test Ea. Shock test	**Inviromental 2**	IEC 60068-2-6, Test Fc. Vibration test
Inviromental 3	IEC 60068-2-2, Test Bd. covers temperaturerise/dry heat	**Inviromental 4**	IEC 60068-2-78, Perm. moisture/Damp heat, steady state
REACH SVHC document	REACH-SVHC Statement	**Low voltage Directive**	LVD conformity with EU standard: EN IEC 62368-1:2020/A11:2020
No Dual Use	Read more here		
Duty Cycle		**Max Duty Cycle [%]**	
Dutycycle UL	Read more in usermanual about UL precautions		
Front bearing type	6000ZZ	**Rear bearing type**	6000ZZ
Axial Load Max: Typical Term	Axial load Max Typical is a run of 10.800.000 revolutions at indicated load	**Axial Load Max: Long Term**	Axial load Max Long is a run of 1.440.000.000 revolutions at indicated load
Axial Load Max: Typical [N] (Bearing)	377	**Axial Load Max: Long [N] (Bearing)**	314

MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Mechanical information



Radial Load Max Typical Term:	Radial load Max Typical is a run of 10.800.000 revolutions at indicated load	**Radial Load Max Long Term:**	Radial load Max Long is a run of 1.440.000.000 revolutions at indicated load
Radial Load Max: Typical [N] (Bearing)	346	**Radial Load Max: Long [N] (Bearing)**	282



Radial load distance [mm]	10	**Axial play [mm]**	
Axial play force [N]		**Shaft Seal**	

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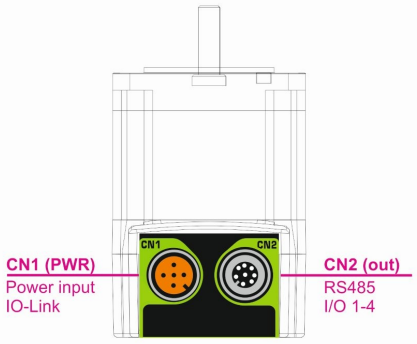
MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Connector information

Connector 1 label	CN1	**Connector 1**	M12 5-pin male A-coded
Connector 2 label	CN2	**Connector 2**	M12 8-pin female A-coded
Connector 3 label		**Connector 3**	
Connector 4 label		**Connector 4**	
Connector 1 RS485		**Connector 2 RS485**	-
Connector 3 RS485	-	**Connector 4 RS485**	-

Motor connectors



MIS23xS/T - L2
IO-Link

Picture CN1

"CN1" - Power and IO-Link input. M12 - 5pin male connector			
Pin	**Signal**	**Designation**	
1	L+	Power supply (+)	
2	P24	P24	Extra power supply for power Devices
3	L-	Power supply (-)	
4	C/Q	SIO(OSSDe)/SDCI	Standard I/O mode (DI/DO) or SDCI
5	N24	N24	Reference to the extra power supply

Picture CN2

"CN2" - RS485 + I/O connector. M12 - 8pin female connector

Pin	Signal	Description	JVL Cable WI1000-M12M8TxxN	Isolation group
1	IO1	I/O channel 1. Can be used as input or output	White	1
2	IO2	I/O channel 2. Can be used as input or output	Brown	1
3	IO3	I/O channel 3. Can be used as input or output	Green	1
4	GND	Ground intended to be used together with the other signals in this connector	Yellow	1
5	RS485: B0-	RS485 Interface. Leave open if unused	Grey	1
6	RS485: A0+	RS485 Interface. Leave open if unused	Pink	1
7	IO4	I/O channel 4. Can be used as input or output	Blue	1
8	CVO	Supply output. Connected internally to the **CVI** terminal in the PWR connector. Max 700 mA. **DO NOT connect >30 V to this terminal!** USB Interface. Supply input 5 VDC nominal	Red	1

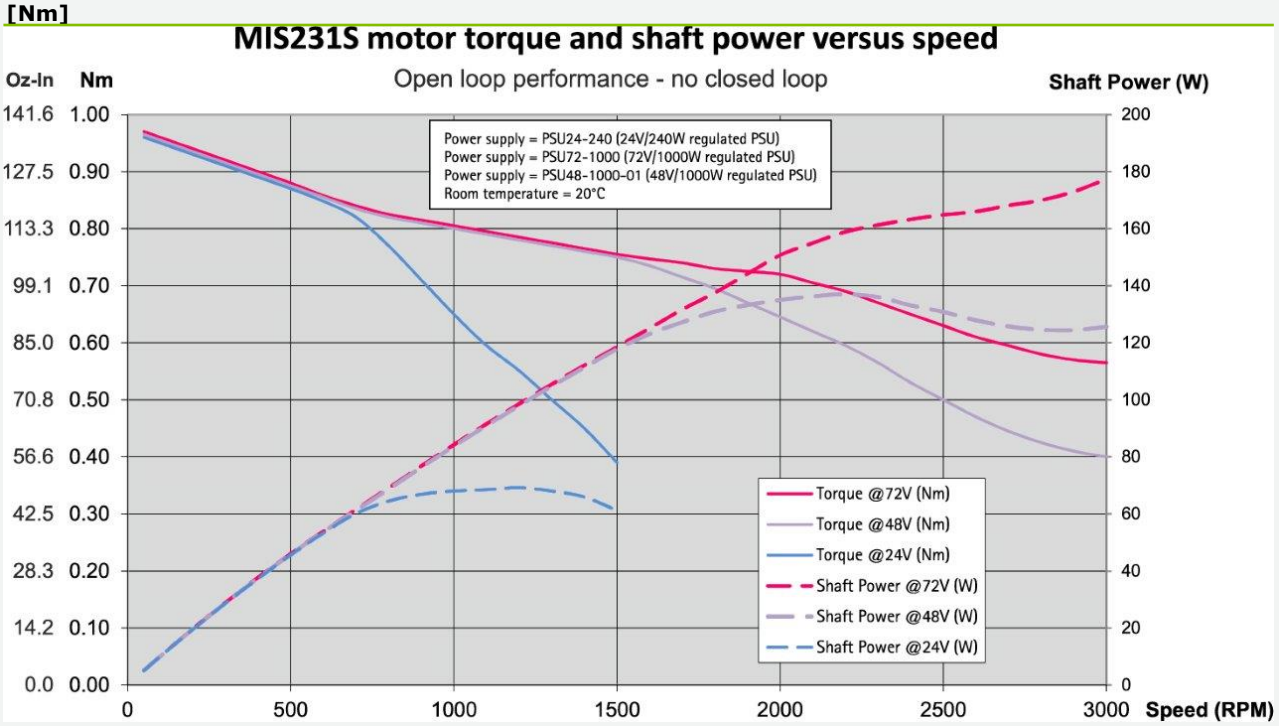
Connector STO No

Picture STO Con -

MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Torque, force and Power information

Supply Volt 1 [V]		**Power Peak 1 [W]**	
Supply Volt 2 [V]	24	**Power Peak 2 [W]**	69.00
Supply Volt 3 [V]	48	**Power Peak 3 [W]**	137.00
Supply Volt 4 [V]	72	**Power Peak 4 [W]**	177.00
Holding torque [Nm]	0.97	**Running torque [Nm]**	0.97
Detent torque [Nm]			



MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Electrical information

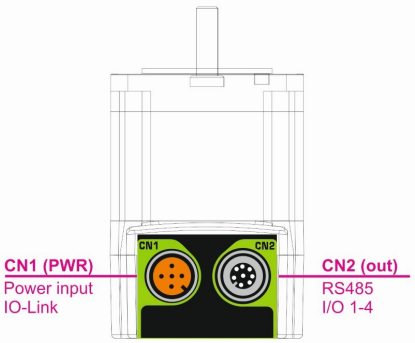
Main supply [V]	12-72	**Main supply Min-Max [V]**	7-90
Main supply UL [V]	12-60	**Main supply Max UL [V]**	7-60
Rated motor current [A]	5.2	**Control voltage (CVI/O+) [VDC]**	7-28
Control Voltage (CVI) Min-Max [VDC]	7-30	**Control Voltage for UL recognized**	7–30 VDC 150 mA + max 500 mA for user outputs
CVI current wo Ethernet and output (12/24VDC) [mA]	90/55	**Current Ethernet option (12/24VDC) [mA]**	
Current brake option [mA]	-	**Current for 1 Dig. output - max [mA]**	
Max current CVI [A]			
Encoder type	H2 Incremental/abs_singleturn	**Encoder Resolution (H2)**	H2 - 4096 Singleturn AbsEnc - Semi multiturn
Encoder Resolution (H3)	-	**Encoder revolutions**	+/-5242
PLC no. of DI/DO/AI	8	**Analogue voltage**	0-5VDC 12bit
Dig. Input impedans	30 Kohm	**Counter frequency max**	12MHz
Standard used		**Standard used 2**	
Resistance [Ohm]		**Induction [mH]**	

MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Communication information

Software	MacTalk	**Connector 2 RS485**	-
Connectivity: Without module	IO-Link	**Connector 3 RS485**	-
		Connector 4 RS485	-

Motor connectors



MIS23xS/T - L2
IO-Link

e-PLC Files	**Ethernet, PLC demo files**

MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

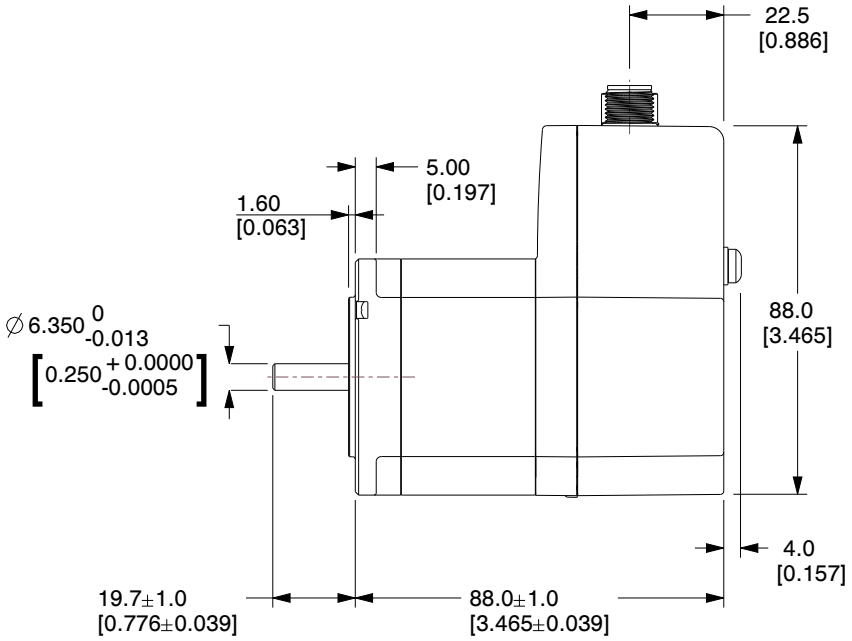
Cable information

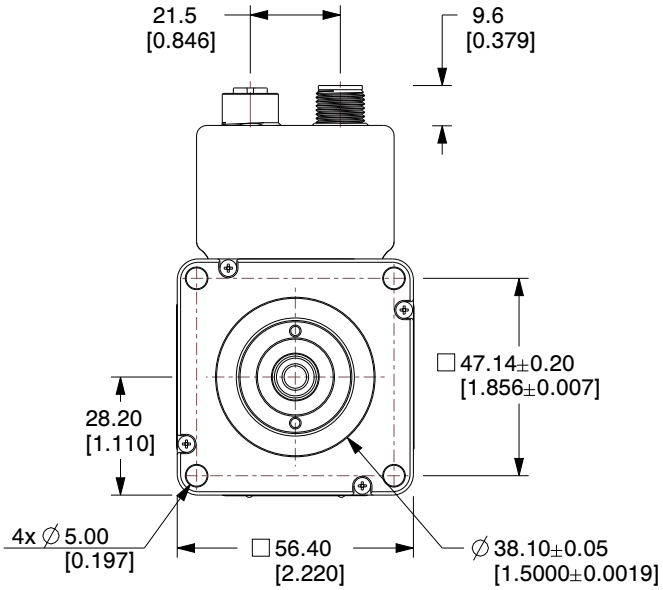
Item number Item description	Mount on	Cable con 1 +Con 1 angle Cable con 2 +Con 2 angle	Cable application Cable flexibilty	Wires no totally Wire [mm2]	Cable length [m] Connector 1 LED
WI1000-M12F5T02N M12 Shl Cable 2m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 180° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	2 No
WI1000-M12F5T05N M12 Shl Cable 5m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 180° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	5 No
WI1000-M12F5T1.2N M12 Shl Cable 1.2m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 180° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	1.2 No
WI1000-M12F5T10N M12 Shl Cable 10m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 180° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	10 No
WI1000-M12F5T10R M12 Shl Cable 10m 5 pin Fem 0°, Power, High-flex	Connector 1	M12 5-pin female A-coded - 180° Straight Open Ended - n/a	Power/Motor/com Cable Chains - 2D	5 0.34	10 No
WI1000-M12F5T20N M12 Shl Cable 20m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 180° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	20 No
WI1000-M12F5TLT0185 M12 shl Cable 3m 5 pin female 0°,PW SPEC	Connector 1	M12 5-pin female A-coded - 180° Straight - n/a	Power/Motor/com Standard	5 0.32	3 No
WI1000-M12F5TM5T1.5N M12 A Code Shl Cable 1.5m 5 pin Female/Male 0° Pow	Connector 1	M12 5-pin female A-coded - 180° Straight - n/a	Power/Motor/com		1.5 No
WI1000-M12F5V05N M12 Shl Cable 5m 5 pin Fem 90°, Power	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	5 No
WI1000-M12F5V05R M12 Shl Cable 5m 5 pin Fem 90°, Power, 3D	Connector 1	M12 5-pin female A-coded - 90° Angled - n/a	Power/Motor/com		5 No
WI1000-M12F5V10N M12 Shl Cable 10 m 5 pin Fem 90°, Power	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	10 No
WI1000-M12F5V20N M12 Shl Cable 20m 5 pin Fem 90°, Power	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	20 No
WI1000-M12F5W05N M12 Shl Cable 5m LED 5p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	5 LED
WI1000-M12F5W10N M12 Shl Cable 10m LED 5 p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	10 LED
WI1000-M12F5W15N M12 Shl Cable 15m LED 5 p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	15 LED
WI1000-M12F5W20N M12 Shl Cable 20m LED 5 p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	20 LED
WI1000-M12F5WF5W20N M12 shl cab 20m LED 5 pin female 90',Pow <50V	Connector 1	M12 5-pin female A-coded - 90° Angled M12 5-pin female A-coded - n/a	Power/Motor/com Standard	5 0.32	20 LED
WI1005-M12F5TF5T03P M12 Cab 3m, 5p Fem - 5p Fem twistedPair	Connector 1	M12 5-pin female A-coded - 180° Straight M12 5-pin female A-coded - n/a	Communication	0.32	3 No
WI1005-M12F5TM5T2.0N M12 cable 2m, 5 pin female - 5pin male	Connector 1	M12 5-pin female A-coded - 180° Straight M12 5-pin male A-coded - n/a	Communication Standard	0.32	2 No
WI1008-M12F5AG1 M12 Con 5p Fem 90° Spring Ø4-8mm cable	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	CANopen/DeviceNet		20 No
WI1008-M12F5SS1 M12 Con 5p Fem 0° Solder assembly	Connector 1	M12 5-pin female A-coded - 180° Straight - n/a	CANopen/DeviceNet n/a	n/a n/a	Connector No
WI1008-M12F5TG1 M12 Con 5p Fem 0° Spring Shield+B222	Connector 1	M12 5-pin female A-coded - 180° Straight - n/a	CANopen/DeviceNet n/a	n/a n/a	Connector No
WI1008-M12F5VG1 M12 Con 5p Fem 90° Spring Shield	Connector 1	M12 5-pin female A-coded - 90° Angled - n/a	CANopen/DeviceNet n/a	n/a n/a	Connector No
WI1025-M12F5AF5AM5A M12 T-Con 2x Fem 5 p + 1x Male 5 p	Connector 1	M12 5-pin female A-coded - 90° Angled M12 5-pin female A-coded - n/a	Standard	5 0.32	 No
WI1025-M12F5AM5A M12 Cabinet Feed-through F5p-M5p	Connector 1	M12 5-pin female A-coded - 90° Angled M12 5-pin male A-coded - n/a	Standard	5 0.32	 No
WI1025-M12F5AM5AF5A M12 T-Con Fem 5p+ Male 5p + Fem 5p NoSh	Connector 1	M12 5-pin female A-coded - 90° Angled M12 5-pin male A-coded - n/a	Standard	5 0.32	 No
WI1025-M12F5VM5VF5V M12 Shl Y-Con 1xMale 5p + 2x Fem 5p CAN	Connector 1	M12 5-pin female A-coded - 90° Angled M12 5-pin male A-coded CAN - n/a	Standard	5 0.32	 No
WI1000-M12M8T02N	Connector 2	M12 8-pin male A-coded - 180° Straight	Power/Motor/com	8	2

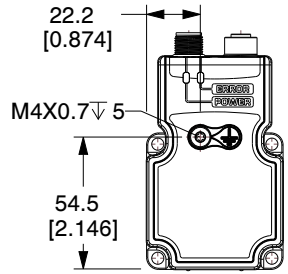
MIS231S1L2H266 Int.Step 12-72VDC, IO-Link 2con, EncC-L

Cable information

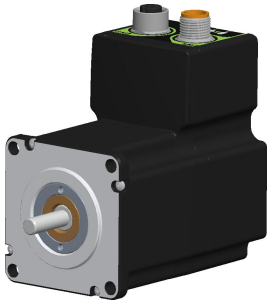
Item number Item description	Mount on	Cable con 1 +Con 1 angle Cable con 2 +Con 2 angle	Cable application Cable flexibilty	Wires no totally Wire [mm2]	Cable length [m] Connector 1 LED
M12 Shl Cable 2m 8 p Male 0° COM1/Ext IO		Open Ended - n/a	Standard	0.32	No
WI1000-M12M8T05N	Connector 2	M12 8-pin male A-coded - 180° Straight	Power/Motor/com	8	5
M12 Shl Cable 5m 8 p Male 0° COM1/Ext IO		Open Ended - n/a	Standard	0.32	No
WI1000-M12M8T20N	Connector 2	M12 8-pin male A-coded - 180° Straight	Power/Motor/com	8	20
M12 Shl Cable 20m 8 p Male 0° COM1/ExtIO		Open Ended - n/a	Standard	0.32	No
WI1000-M12M8T20R	Connector 2	M12 8-pin male A-coded - 180° Straight	Power/Motor/com		20
M12 Shl Cable 20m 8 p Male 0° 2D cable chain		- n/a			No
WI1000-M12M8TF4LT186	Connector 2	M12 8-pin male A-coded - 180° Straight	Power/Motor/com	8	5
M12 shl cable5m, M12 M8, M8 F4 0° IO		M12 4-pin female A-coded - n/a		0.32	No
WI1000-M12M8TLT0184	Connector 2	M12 8-pin male A-coded - 180° Straight	Power/Motor/com	8	5
M12 shl cable5m, 8 pin male 0° IO SPEC		M12 4-pin female A-coded - n/a		0.32	No
WI1000-M12M8V05N	Connector 2	M12 8-pin male A-coded - 90° Angled	Power/Motor/com	8	5
M12 Shl Cable 5m 8 p Mal 90° COM1/ExtIO		Open Ended - n/a	Standard	0.2	No
WI1000-M12M8V20N	Connector 2	M12 8-pin male A-coded - 90° Angled	Power/Motor/com	8	20
M12 Shl Cable 20m 8 p Mal 90° COM1/ExtIO		Open Ended - n/a	Standard	0.2	No
WI1005-M12M8QM5V.3N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication		0.3
M12 Shl Cab 0.3m 8p Mal 5p Mal 90° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1005-M12M8S10N	Connector 2	M12 8-pin male A-coded - 180° Straight	Communication	8	10
M12 Shl Cable 10m, 8 p Male MAC00-B41 twisted		Open Ended - n/a	Standard	0.32	No
WI1005-M12M8STR5	Connector 2	M12 8-pin male A-coded - 180° Straight	Communication	n/a	Connector
M12 8-pin male A Code Resistor RS485		n/a - n/a	n/a	0.32	No
WI1005-M12M8TF8T01N	Connector 2	M12 8-pin male A-coded - 180° Straight	Communication	8	1
M12 Shl Cab 1m 8p Male 0° to 8p Female 0° 2x4pair		M12 8-pin female A-coded - n/a	Standard	0.32	No
WI1005-M12M8TF8T20N	Connector 2	M12 8-pin male A-coded - 180° Straight	Communication	8	20
M12 Shl Cab 20m 8p Male 8p Female 0° 2x4p twisted		M12 8-pin female A-coded - n/a		0.32	No
WI1005-M12M8TM5T.3N	Connector 2	M12 8-pin male A-coded - 180° Straight	Communication	5	0.3
M12 Shl Cab 0,3 m 8p Male 5p Male 0° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1005-M12M8TM5T.5N	Connector 2	M12 8-pin male A-coded - 180° Straight	Communication	5	0.5
M12 Shl Cab 0,5 m 8p Male 5p Male 0° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1005-M12M8TM5T05N	Connector 2	M12 8-pin male A-coded - 180° Straight	Communication	5	5
M12 Shl Cab 5m 8p Male 5p Male 0° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1005-M12M8VM5V.5N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	0,5
M12 Shl Cab 0.5m 8pMale 5pMale 90° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1005-M12M8VM5V03N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	3
M12 Shl Cab3m 8p Male 5p Male 90° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1005-M12M8VM5V10N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	10
M12 Shl Cab10m 8p Male 5p Male 90° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1005-M12M8VM5V20N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	20
M12 Shl Cab20m 8p Male 5p Male 90° RS485 twisted		M12 5-pin male A-coded - n/a	Standard	0.32	No
WI1008-M12M8SC1	Connector 2	M12 8-pin male A-coded - 180° Straight	CANopen/DeviceNet	n/a	Connector
M12 Con 8p Male 0° Screw Ø4-8mm cable		- n/a	n/a	n/a	No
WI1008-M12M8SS1	Connector 2	M12 8-pin male A-coded - 180° Straight	CANopen/DeviceNet	n/a	Connector
M12 Con 8p Male 0° Solder assembly		- n/a	n/a	n/a	No
WI1008-M12M8TC1	Connector 2	M12 8-pin male A-coded - 180° Straight	CANopen/DeviceNet	n/a	Connector
M12 Con 8p Male 0° Screw Shield		- n/a	n/a	n/a	No
WI1008-M12M8TS1	Connector 2	M12 8-pin male A-coded - 180° Straight	CANopen/DeviceNet	n/a	Connector
M12 Con 8p Male 0° Solder Shield		- n/a	n/a	n/a	No
WI1009-M12M8Q1.2N	Connector 2	M12 8-pin male A-coded - 90° Angled	Basic I/O, Com	8	1.2
M12 Shl Cable 1.2m 8p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
WI1009-M12M8V05N	Connector 2	M12 8-pin male A-coded - 90° Angled	Basic I/O, Com	8	5
M12 Shl Cable 5m 8 p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
WI1009-M12M8V20N	Connector 2	M12 8-pin male A-coded - 90° Angled	Basic I/O, Com	8	20
M12 Shl Cable 20m 8 p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
RS485-USB-M12M5M8M17	RS485 converter M5M8M17	-			
USB to RS485 isolated adaptor, M12 Male		-			







REAR VIEW



NOTES:

1. Operation Modes : Passive, Position, Gear, Velocity.
2. Tolerance for torque and power is ±10%.
3. Shaft - AISI 303 Stainless steel.
4. Front Bearing: 3202-2RS Double row angular contact.
5. Encoder Type: Internal, magnetic, absolute 1 rev. Closed loop ready. Resolution per rev.: 4096 counts / 1024 lines (quadrature output).

JVL A/S
Bregnerødvej 127
DK-3460 Birkerød
Denmark
JVL
www.jvl.dk

PART NUMBER:

MIS231S1L2H266

PART DESCRIPTION:

Integrated Stepper Motor

A4	SCALE	NTS
	UNIT	MM [Inch]