

Connections for MIS....66/85.

Pin No.	Pin	Description	Color	Iso. Group	Pin No.	Pin	Description	Color	Iso. Group
1: MISxxx: Power cable M12 5-pin Male A-code, Eg, WI1000-M12F5TxxN					6: MISxxxnyFP: Profibus cable M12 5-pin Male/Female D-code, Eg, WI1026-M12F/M5SxxN				
1	P+	Main supply +12-72VDC.	Brown	1	1	- / 5VDC	-		1
2	P+	Main supply +12-72VDC.	White	1	2	A-	Terminal A for the Profibus interface	Green	1
3	P-	Main supply ground.	Blue	1	3	DGnd	Profibus-DP interface ground	-	1
4	CVI	Control Voltage	Black	1	4	B+	Terminal B for the Profibus interface	Red	1
5	P-	Main supply ground.	Grey	1	5	Shield	Cable shield. Internally con. to motor housing.	Shield	1
2: MIS-Q5, Q9, FB: COM+IO cable M12 8-pin Male A-code, Eg, WI1000-M12F8TxxN					7: MISxxx: COM+IO cable M12 17-pin Female A-code, Eg, WI1009-M12M17TxxN				
1	IO1	I/O channel 1 - Either Input or Output	White	1	1	IN1	I/O channel 1.	Brown	1
2	IO2	I/O channel 2 - Either Input or Output	Brown	1	2	Gnd	Ground	Blue	1
3	IO3	I/O channel 3 - Either Input or Output	Green	1	3	IN2	I/O channel 2.	White	1
4	Gnd	Ground	Yellow	1	4	IN3	I/O channel 3.	Green	1
5	RS485 - B0-	RS485 interface. B-	Grey	1	5	B2-	Multifunction I/O 2 terminal B-	Pink	1
6	RS485 - A0-	RS485 interface. A+	Pink	1	6	IN4	I/O channel 4.	Yellow	1
7	IO4	I/O channel 4 - Either Input or Output	Blue	1	7	A2-	Multifunction I/O 2 terminal A-	Black	1
8	CVO	Positive supply output - CVO (typ. 24VDC)	Red	1	8	B2+	Multifunction I/O 2 terminal B+	Grey	1
3: MIS...Q9: SSI cable M12 8-pin Female A-code, Eg, WI1000-M12M8TxxN					8: MIS...Ex: Ethernet cable M12 4-pin Female D-code, Eg, WI1046-M12M4Txxxy				
1	IO5	I/O channel 5 - Zero set encoder	White	1	1	Tx0-P	Ethernet Transmit channel 0/1 - positive terminal	Brown/White	2/3
2	IO6	I/O channel 6 - CNT/DIR	Brown	1	2	Rx0-P	Ethernet Receive channel 0 - positive terminal	Blue/White	2/3
3	A1+	A1+ (Clock+)	Green	1	3	Tx0-N	Ethernet Transmit channel 0/1 - negative terminal	Brown	2/3
4	Gnd	Ground	Yellow	1	4	Rx0-N	Ethernet Receive channel 0 - negative terminal	Blue	2/3
5	B1-	B1- (Data in-)	Grey	1	5	-	Shield	Shield	1
6	B1+	B1+ (Data in+)	Pink	1	9: MIS...Ex: Alt. Ether. cable M12 4-pin Female D-code, Eg, WI1046-M12MFTxxxy				
7	A1-	A1- (Clock-)	Blue	1	1	Tx0-P	Ethernet Transmit channel 0/1 - positive terminal	Orange/White	2/3
8	CVO	Positive supply output - CVO (typ. 24VDC)	Red	1	2	Rx0-P	Ethernet Receive channel 0 - positive terminal	Green/White	2/3
4: MISxxxx-Q5: COM cable M12 5-pin Female A-code, Eg, WI1000-M12M5TxxN					10: MISxxx: COM cable M12 5-pin Female A-code, Eg, RS485-M12-1-5-5				
1	RS485 - B0-	RS485 interface. B-	Brown	1	1				
2	RS485 - A0+	RS485 interface. A+	White	1	2				
3	RS485 - B0-	RS485 interface. B-	Blue	1	3	RS485- (B-)	RS485 interface. B-	Grey	1
4	RS485 - A0+	RS485 interface. A+	Black	1	4	RS485+ (A+)	RS485 interface. A+	Pink	1
5	Gnd	Ground	Grey	1	5	Gnd	Ground	Yellow	1
5: MIS...P6: CAN cable M12 5-pin Male/Female A-code, Eg, WI1006-M12F5(/M5)TxxN					11: MISxxx: COM cable M12 8-pin Female A-code, Eg, RS485-M12-1-5-8				
1	CAN-Shield	Shield for the CAN interface	Shield	1	1	NC			
2	Unused	Don't connect	Red	1	2	NC			
3	CAN-gnd	CAN interface ground	Black	1	3	NC			
4	CAN-H	CAN interface. Positive signal line	White	1	4	Gnd	Ground	Yellow	1
5	CAN-L	CAN interface. Negative signal line	Blue	1	5	RS485 - B0-	RS485 interface. B-	Grey	1
6: MISxxx: COM cable M12 5-pin Male A-code, Eg, WI1000-M12F5TxxN					12: MISxxx: COM cable M12 17-pin Female A-code, Eg, RS485-M12-1-5-17				
1	P+	Main supply +12-72VDC.	Brown	1	1	NC			
2	P+	Main supply +12-72VDC.	White	1	2	Gnd	Ground	Blue	
3	P-	Main supply ground.	Blue	1	3	NC			1
4	CVI	Control Voltage	Black	1	4	NC			
5	P-	Main supply ground.	Grey	1	5	NC			
7: MISxxx: COM+IO cable M12 17-pin Female A-code, Eg, WI1009-M12M17TxxN					13: MISxxx: COM cable M12 5-pin Male A-code, Eg, WI1000-M12F5TxxN				
1	IN1	I/O channel 1.	Brown	1	1	P+	Main supply +12-72VDC.	Brown	1
2	Gnd	Ground	Blue	1	2	P+	Main supply +12-72VDC.	White	1
3	IN2	I/O channel 2.	White	1	3	P-	Main supply ground.	Blue	1
4	IN3	I/O channel 3.	Green	1	4	CVI	Control Voltage	Black	1
5	B2-	Multifunction I/O 2 terminal B-	Pink	1	5	P-	Main supply ground.	Grey	1
6	IN4	I/O channel 4.	Yellow	1	14: MISxxx: COM cable M12 5-pin Male A-code, Eg, WI1000-M12F5TxxN				
7	A2-	Multifunction I/O 2 terminal A-	Black	1	1	P+	Main supply +12-72VDC.	Brown	1
8	B2+	Multifunction I/O 2 terminal B+	Grey	1	2	P+	Main supply +12-72VDC.	White	1
9	CVO	Positive supply output - CVO (typ. 24VDC)	Red	1	3	P-	Main supply ground.	Blue	1
10	A2+	Multifunction I/O 2 terminal A+	Violet	1	4	CVI	Control Voltage	Black	1
11	O1	I/O channel 5	Grey/Pink	1	5	P-	Main supply ground.	Grey	1
12	O2	I/O channel 6	Red/blue	1	15: MISxxx: COM cable M12 5-pin Male A-code, Eg, WI1000-M12F5TxxN				
13	AIN1	I/O channel 7	White/Green	1	1	P+	Main supply +12-72VDC.	Brown	1
14	AIN2	I/O channel 8	Brown/Green	1	2	P+	Main supply +12-72VDC.	White	1
15	RS485-	RS485 interface (-)	White/Yellow	1	3	P-	Main supply ground.	Blue	1
16	ExtBackup	Ext battery supply for H3 and H4	Yellow/Brown	1	4	CVI	Control Voltage	Black	1
17	RS485+	RS485 interface (+)	White/Grey	1	5	P-	Main supply ground.	Grey	1

For MIS motors with only the 17-pin connector for RS485 it can be useful to select the PA0190 + RS485-M12-1-5-8 to split RS485 and IO.