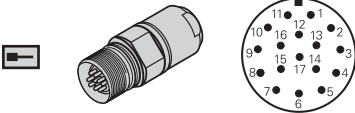




Electrical Connection

Pin Layout

EnDat 01

17-pin coupling M23 													
	Power supply					Incremental signals ¹⁾				Absolute position values			
	7	1	10	4	11	15	16	12	13	14	17	8	9
	U_P	Sensor U _P	0V	Sensor 0V	Inside shield	A+	A-	B+	B-	DATA	DATA	CLOCK	CLOCK
	Brown/ Green	Blue	White/ Green	White	/	Green/ Black	Yellow/ Black	Blue/ Black	Red/ Black	Gray	Pink	Violet	Yellow

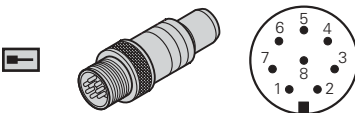


Shield on housing; **U_P** = power supply voltage

Sensor: The sensor line is connected internally with the corresponding power line

Vacant pins or wires must not be used!

¹⁾ Not with EnDat 2.2, order designation 22

EnDat 22

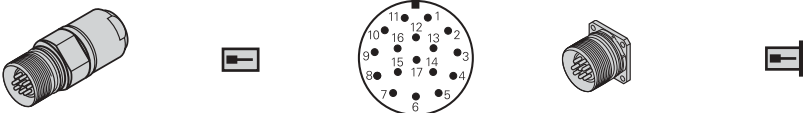


8-pin M12 coupling 									
	Power supply					Absolute position values			
	2	8	1	5	3	4	7	6	
	U_P ¹⁾	U_P	0V ¹⁾	0V	DATA	DATA	CLOCK	CLOCK	
	Blue	Brown/Green	White	White/Green	Gray	Pink	Violet	Yellow	

Shield on housing; **U_P** = power supply voltage

¹⁾ For parallel supply lines

Vacant pins or wires must not be used!

SSI

17-pin coupling M23 															
	Power supply					Incremental signals				Absolute position values				Other signals	
	7	1	10	4	11	15	16	12	13	14	17	8	9	2	5
	U_P	Sensor U _P	0V	Sensor 0V	Inside shield	A+	A-	B+	B-	DATA	DATA	CLOCK	CLOCK	Direction of rotation ¹⁾	Zero reset ¹⁾
	Brown/ Green	Blue	White/ Green	White	/	Green/ Black	Yellow/ Black	Blue/ Black	Red/ Black	Gray	Pink	Violet	Yellow	Black	Green

Shield on housing; **U_P** = power supply voltage

Sensor: With a 5 V supply voltage, the sensor line is connected internally with the corresponding power line.

¹⁾ Vacant on ECN/EQN 10xx and ROC/ROQ 10xx