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A1-CML-HDT-1 - DRIVE HDT CABLE



1. Informations



Quality in Electronic
Manufacturing

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2. Description

Cable and connector I/O drive DGM-HDT.

2.1 Product identification



Based on the order number for the tool you can get exactly the features. Verify that the characteristics of the cable match your needs.

2.2 Product label

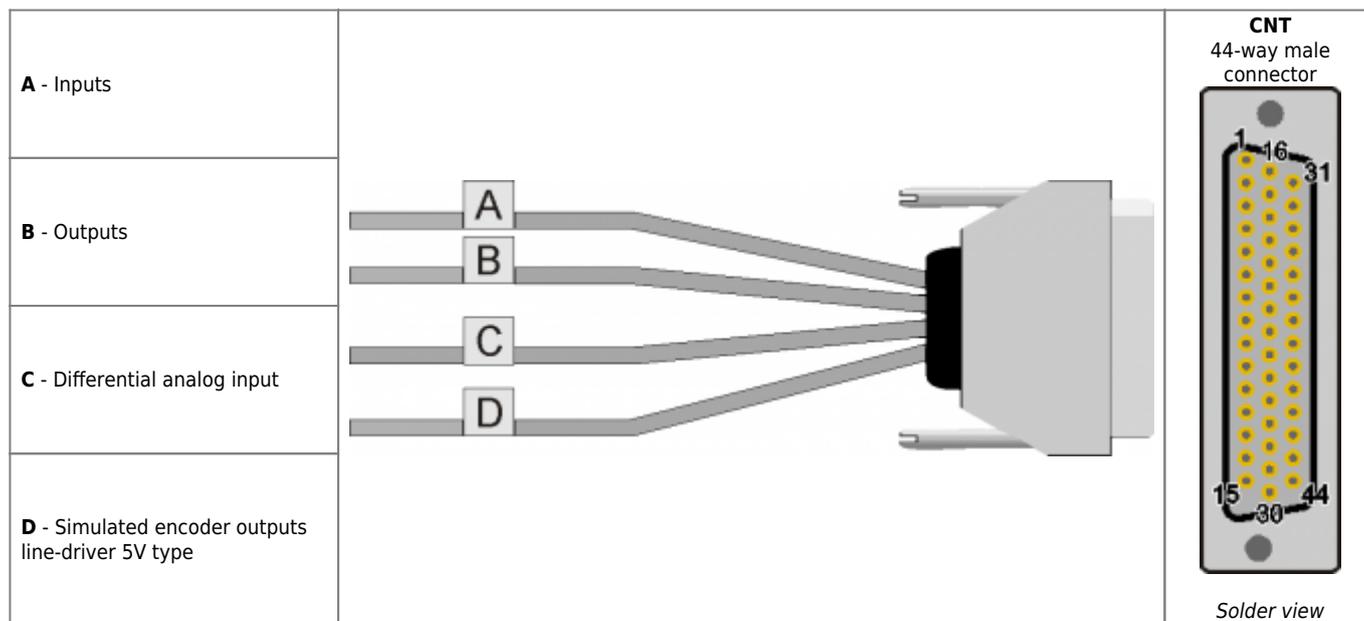


- **a - Ordering Code**
- **b - Week made:** indicates the week and year of manufacture
- **c - Part number:** unique code that identifies an ordering code
- **d - Serial number:** product serial number, different for individual product
- **e - Hardware release:** version of hardware release

2.3 Ordering code

Model	Features
A1 - CML - HDT-1 / xxA / yyB / wwC / zzD	
	zzD = Drive simulated encoder cable length
	wwC = Drive cable length differential analog input
	yyB = Drive digital output cable length
	xxA = Drive digital input cable length
	HDT-1 = to use when connecting to drive HDT DGM model
	CML = Cordsets
A1	= QEM family accessories

3. Wiring diagram



PIN NAME	PIN NR	COLOR	DESCRIPTION		
Cable 4x0.25 not shielded					
ENA	25	WHITE	Drive ENABLE input	A	
RUN	12	GREEN	ENABLE REFERENCE input		
RESET	41	BROWN	RESET input		
COMMON	9-10	YELLOW	Common of digital inputs and outputs		
Cable 4x0.25 not shielded					
DRV_OK	13	YELLOW	FREE CONTACT	B	
DRV_OK	28	GREEN	DRIVE OK (relay contacts)		
I2T	44	WHITE	FAULT		
+24	39	BROWN	+24V input for digital outputs power supply		
Cable 3x0.25 shielded					
REF+	16	BROWN	Differential input non-inverting main reference speed	C	
REF-	1	GREEN	Differential input inverting main reference speed		
COMMON	18	WHITE	Common of analog signals		
SCREEN	SCREEN	SCREEN	Analog signal cable shield		
Cable 8x0.25 shielded					
Z+	21	BROWN	CHZ+	Z output	D
Z-	6	WHITE	CHZ-		
B+	5	RED	CHB+	B output	
B-	34	BLUE	CHB-		
A+	35	GREEN	CHA+	A output	
A-	20	YELLOW	CHA-		
0L	36	PINK	Common		

4. Connection examples

4.1 Connection between HB548.05 and Drive DGM series

For connect an **HB548** to an HDT drive, you must use an **IQ007**, to convert the LINE-DRIVER signals of the simulated encoder to PUSH-PULL signals.

HB548		Drive DGM	Signal name	Note
23	←-----	16	REF+	
24	←-----	1	REF-	
	←-----	18	COMMON	
		D-SUB cover	SCREEN	
27	←-----	25	ENA	
	←-----	12	RUN	
1	←-----		24 Vac	From a dedicated secondary of a transformer
2	←-----			
3	←-----		GROUND	
		IQ007		
13	← 4	14 ←	35	A+
		13 ←	20	A-
14	← 3	12 ←	5	B+
		11 ←	34	B-
12	←			
5	←	1 8 ←	36	0L
16	←			
6,25	←	5 ←	39	+24 Vdc
16	←	6 ←	9,10	0 Vdc

4.2 Connection between a J1-P20 and the drive DGM series

J1-P20		Drive DGM	Signal name	Note
CN3.2	←	16	REF+	J1-P20 Analog output
CN3.1	←	1	REF-	
	←	18	COMMON	
		D-SUB cover	SCREEN	
CN9.2B	←	35	A+	J1-P20 encoder 1 input
CN9.5B	←	20	A-	
CN9.3B	←	5	B+	
CN9.6B	←	34	B-	
CN9.5A	←	36	0L	

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