

H-System Custom Cable

CAB-DVM-**-S37I**-**-****

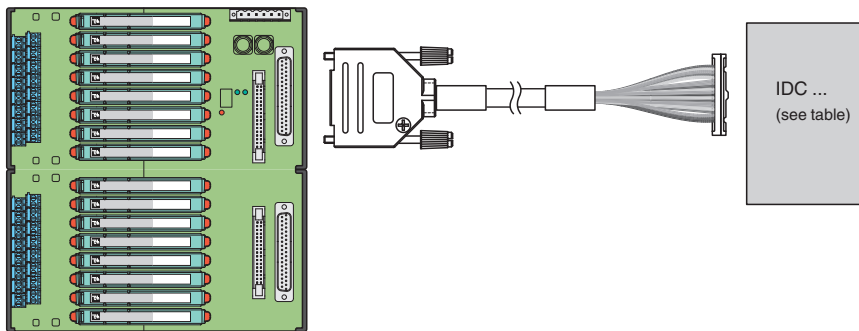


- Emerson specific cable for DeltaV M- and S-series to Pepperl+Fuchs H-System termination boards
- Connects the IDC connector on the Emerson baseplate to the 37-pin Sub-D connector on the H-System termination board
- Preconfigured lengths

Cordset with IDC socket for the Emerson baseplate and 37-pin Sub-D socket for the H-System termination board, PVC cable



Connection



Technical Data

Electrical specifications		
Rated voltage	U_r	30 V
Rated current	I_r	max. 1 A
Lead resistance		< 70 mΩ / m
Cable capacitance		wire/wire: approx. 120 pF / m wire/shield: approx. 160 pF / m
Cable inductance		approx. 0.65 μH / m
Standard conformity		
Flammability		IEC 60332-1-2 , flame-resistant
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F) , fixed
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Connection		Sub-D socket , 37 pins/37 pins IDC socket, 16-pin, 20-pin and 24-pin
Material		
Socket		Sub-D socket : Zinc die cast, nickel plated
Sheathing		PVC
Core insulation		PVC
Cable		LIYCY

Release date: 2023-01-04 Date of issue: 2023-01-04 Filename: t176263_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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 PEPPERL+FUCHS

Technical Data

Diameter	18 cores: 7.3 mm (0.29 inch)
Bending radius	min. 6 x external diameter, fixed cable
Color	grey
Cores	18 x 0.14 mm ²
Conductor construction	stranded wire , fine-strand
Shield	tinned copper braiding
Mass	approx. 200 g + 104 g /m

Configuration

Module switch settings			Card software settings		
Type	DIP switch	Position	Type	Parameter	Setting
HiC2025 (AI), HiC2025A (AI) Current sink 4 mA to 20 mA	S1	OFF	-	-	-
	S2	ON			
	S3	OFF			
	S4	OFF			
HiC2031 (AO)	not available		-	-	-
<ul style="list-style-type: none"> Mode of operation: open – energized close – de-energized Line fault detection: enabled HiC2821 (DI), HiC2841 (DI)	S1	I	<ul style="list-style-type: none"> DeltaV M-series 32-channel DI Series 2 Plus card DeltaV S-series 32-channel DI Plus card 	T1_FAULT_DETECT T2_FAULT_DETECT	False False
	S2	I			
	S3	no function			
	S4	no function			
<ul style="list-style-type: none"> Mode of operation: normal Input line fault detection: enabled HiC2831 (DI)	S1	II	<ul style="list-style-type: none"> DeltaV M-series 8-channel DI Series 2 card DeltaV S-series 8-channel DI card 	LINEFAULT_DETECT	True
	S2	I			
	S3	no function			
	S4	no function			
<ul style="list-style-type: none"> Bus powered Control input: logic signal Line fault detection: enabled Filter: disabled HiC2873 (DO)	S1	ON	<ul style="list-style-type: none"> DeltaV M-series 8-channel DO Series 2 card DeltaV S-series 8-channel DO card 	LINEFAULT_DETECT	False
	S2	OFF			
	S3	ON			
	S4	OFF			
	S5	ON	<ul style="list-style-type: none"> DeltaV M-series 32-channel DO Series 2 Plus card DeltaV S-series 32-channel DO Plus card 	T1_FAULT_DETECT T2_FAULT_DETECT	False False
	S6	OFF			
	S7	ON			
	S8	ON			

Product Versions

Emerson		Pepperl+Fuchs	
DeltaV M-Series		Termination board	Cable
Card	Type	Type	Type
Analog input			
8-channel AI (4 mA to 20 mA)	Series 2 simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-MX-01000
Analog output			
8-channel AO (4 mA to 20 mA)	Series 2 simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-MX-01000
Digitals inputs			
8-channel DI (24 V DC, dry contact)	Series 2 simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-MX-01000
32-channel DI (24 V DC, dry contact)	Series 2 simplex	HiCTB32-SDC-24C-SC-RA	CAB-DVM-**-S37I20-DX-01010
32-channel DI (24 V DC, dry contact)	Series 2 Plus redundant	HiCTB32-SDC-24C-SC-RA	CAB-DVM-**-S37I20-DI-01010
Digital outputs			
8-channel DO (24 V DC, high side)	Series 2 simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-DO-01000
32-channel DO (24 V DC, high side)	Series 2 simplex	HiCTB32-SDC-24A-SC-RA	CAB-DVM-**-S37I20-DX-01010
32-channel DO (24 V DC, high side)	Series 2 Plus redundant	HiCTB32-SDC-24A-SC-RA	CAB-DVM-**-S37I20-DX-01010

Emerson		Pepperl+Fuchs	
DeltaV S-Series		Termination board	Cable
Card	Type	Type	Type
Analog inputs			
8-channel AI (4 mA to 20 mA)	Simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-MX-01000
16-channel AI (4 mA to 20 mA)	Plus simplex	HiCTB16-SDC-44C-SC-RA	CAB-DVM-**-S37I24-AX-01000
16-channel AI (4 mA to 20 mA)	Plus redundant	HiCTB16-SDC-44C-SC-RA	CAB-DVM-**-S37I24-AX-01000
Analog outputs			
8-channel AO (4 mA to 20 mA)	Simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-MX-01000

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Product Versions

Emerson		Pepperl+Fuchs	
DeltaV S-Series		Termination board	Cable
Card	Type	Type	Type
16-channel AO (4 mA to 20 mA)	Plus simplex	HiCTB16-SDC-44C-SC-RA	CAB-DVM-**-S37I24-AX-01000
16-channel AO (4 mA to 20 mA)	Plus redundant	HiCTB16-SDC-44C-SC-RA	CAB-DVM-**-S37I24-AX-01000
Digital inputs			
8-channel DI (NAMUR)	Simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-MX-01000
32-channel DI (24 V DC, dry contact)	Simplex	HiCTB32-SDC-24C-SC-RA	CAB-DVM-**-S37I20-DX-01010
32-channel DI (24 V DC, dry contact)	Plus redundant	HiCTB32-SDC-24C-SC-RA	CAB-DVM-**-S37I20-DI-01010
Digital outputs			
8-channel DO (24 V DC, high side)	Simplex	HiCTB08-SDC-44C-SC-RA	CAB-DVM-**-S37I16-DO-01000
32-channel DO (24 V DC, high side)	Simplex	HiCTB32-SDC-24A-SC-RA	CAB-DVM-**-S37I20-DX-01010
32-channel DO (24 V DC, high side)	Plus redundant	HiCTB32-SDC-24A-SC-RA	CAB-DVM-**-S37I20-DX-01010

The *-marked letters of the type code are placeholders for the cable length (m). Available cable lengths on request.