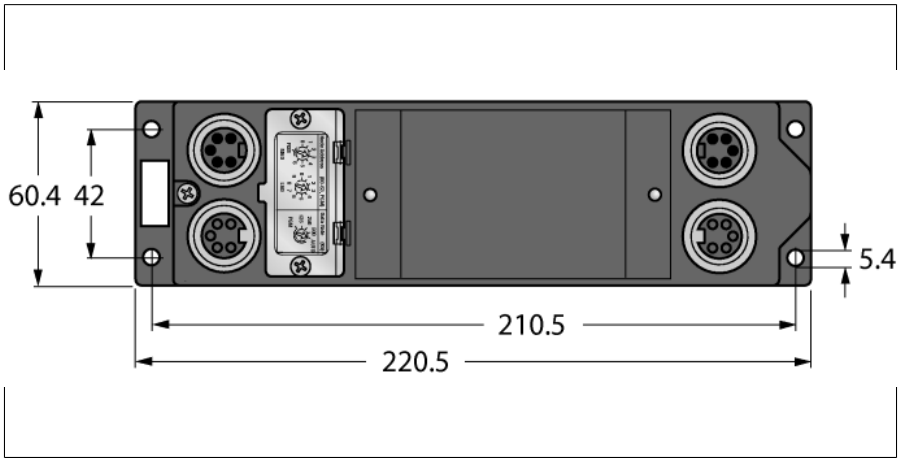
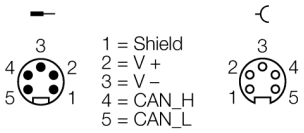
Módulos de conexión para DeviceNet FDN-DN1



- Módulo tensor robusto para DeviceNet
- Transmisión de datos de 128 bytes entre dos SPS
- Desacoplamiento óptico entre segmentos de red
- Conmutador giratorio de codificación
- carcasa PA6 reforzada por fibra de vidrio
- con prueba de resistencia a choques y vibraciones
- electrónica de módulos completamente sellada
- conector de metal
- grado de protección IP67

Tipo	FDN-DN1
N.º de ID	6603596
Tensión de servicio / de carga	11…30 VDC
Corriente de servicio	< 125 mA segmento A, <30 mA segmento B mA
Separación de potencial	Segment A optically isolated from Segment B
Medidas (An x L x Al)	60 x 220.5 x 27 mm
Material de la cubierta	poliamida reforzada por fibra de vidrio (PA6-GF30)
Montaje	4 orificios de fijación Ø 5,4 mm
Temperatura ambiente	-40…+70 °C
Grado de protección	IP67

Bus de campo

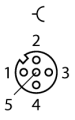
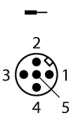


Principio de funcionamiento

The FDN-DN1 “Spanner” module provides a means to route data between two PLC’s using DeviceNet. The spanner eliminates the need for a high level control network pyramid, by connecting the DeviceNet networks directly. This simple approach is extremely powerful and economical. It is simple because the spanner appears to each PLC as a standard rack of I/O; any DeviceNet scanner can send I/O data to the spanner without additional software or complex configuration procedures. It is powerful because it can transfer up to 128 bytes of data in one message. It is economical because it replaces the high level control network, eliminating two control cards, wiring, conduit and programming.

The spanner transfers data between PLC A and PLC B by appearing as I/O to each PLC. It immediately copies the output data from PLC A to the input data for PLC B. Similarly, PLC B’s output data is copied to PLC A’s input data. The size of data transferred is set by the transfer size switch, 4, 16, 32 or 128 bytes. The size of the data transferred is the same in both directions. If the transfer size switch is set to software, then the transfer size is set via the software and it can be any size (0,1,2,3… 128 bytes). When in software mode, the data size mapped to the PLC must be equal on other side of spanner. For example, if side A produces 2 input bytes and consumes 12 output bytes, then side B must be set to produce 12 input bytes and consume 2 output bytes.

edición • 2024-10-03T00:35:19+02:00

	F061 F098 F065 F060	 1 = Shield 2 = RD (V +) 3 = BK (V –) 4 = WH (CAN H) 5 = BU (CAN L)  1 = Shield 2 = RD (V +) 3 = BK (V –) 4 = WH (CAN H) 5 = BU (CAN L)  1 = Shield 2 = RD (V +) 3 = BK (V –) 4 = WH (CAN H) 5 = BU (CAN L)  1 = Shield 2 = RD (V +) 3 = BK (V –) 4 = WH (CAN H) 5 = BU (CAN L)

edición • 2024-10-03T00:35:19+02:00