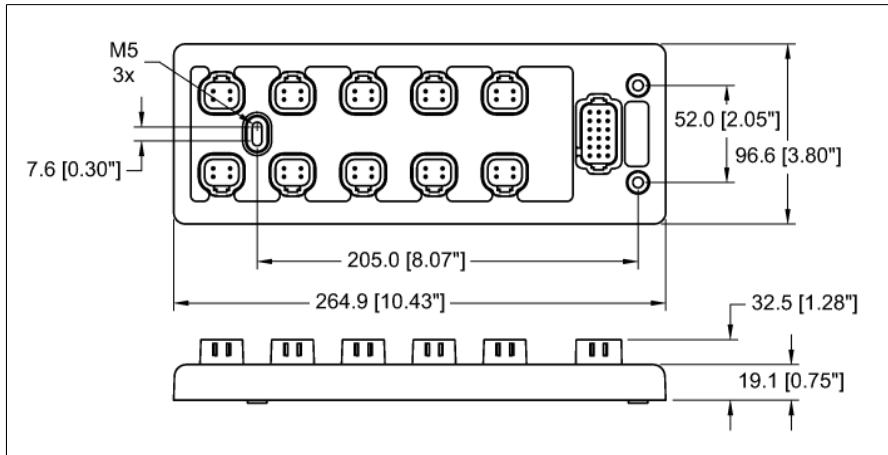


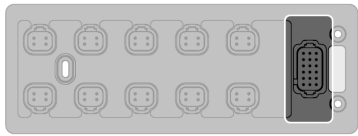
# 16 Digital PNP Outputs

## TBCJ-D1-16DOP



- Molded plastic housing
- Shock and vibration tested
- Fully potted module electronics
- Protection class IP67
- J1939 Interface
- This block only has 16 separate outputs. All 16 outputs can be switched on at the same time, two outputs at 10 A and the others at 4 A. This module can deliver up to 52 A output power.
- 2 non-isolated J1939 ports (250 kb and 500 kb)
- Node ID: 0-15
- Configurable outputs: Ports 1–8 — digital high side
- PWM frequency: 100–1200 Hz
- Output diagnostics: Short-circuit and over-current

ID	6884503
Supply voltage	8...32 VDC
Admissible range	8...32 VDC
Fieldbus connection technology	2 x DT06-4S
Number of channels	16
Output type	PNP
Output voltage	8...32 VDC
Output current per channel	(14) 4A, (2) 10A
Vibration test	Vibration acc. to JDQ 53.3 6.1.1 and 6.1.2, level 4
Shock test	acc. to EN 60068-2-27
Dimensions (W x L x H)	96.6 x 264.8 x 32.5 mm
Ambient temperature	-40...+85 °C
Storage temperature	-45...+85 °C
Protection class	IP67
Housing color	Black
Mounting	Screw connection

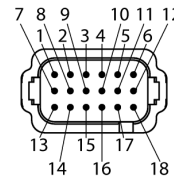


**Accessories**

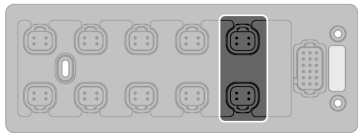
**Operating Voltage and CAN bus: 18 pole DT16-18SA Socket**

- Pin 1= Baud 1-A
- Pin 2= Config 1-A
- Pin 3=Config 2-A
- Pin 4= Config 3-A
- Pin= Config 4-A
- Pin 6= Power 4
- Pin 7= Baud 1-B
- Pin 8= Config 1-B
- Pin 9= Config 2-B
- Pin 10= Config 3-B
- Pin 11= Config 4-B
- Pin 12= Ground B
- Pin 13=Power 1
- Pin 14= Power 2
- Pin 15= Power 3
- Pin 16= Ground B
- Pin 17= Ground B
- Pin 18= Ground B

**Pinout**



- 1 = BAUD 1-A
- 2 = CONFIG 1-A
- 3 = CONFIG 2-A
- 4 = CONFIG 3-A
- 5 = CONFIG 4-A
- 6 = POWER 4
- 7 = BAUD 1-B
- 8 = CONFIG 1-B
- 9 = CONFIG 2-B
- 10 = CONFIG 3-B
- 11 = CONFIG 4-B
- 12 = GROUND B
- 13 = POWER 1
- 14 = POWER 2
- 15 = POWER 3
- 16 = GROUND B
- 17 = GROUND B
- 18 = GROUND B



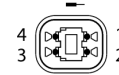
**Accessories**

**CAN in/out: 2 x DT06-4S**

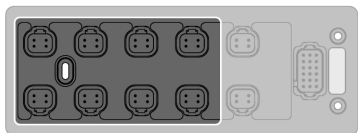
**CAN Port 1 & 2**

- Pin 1= 8-32 VDC
- Pin 2= CAN High
- Pin 3= Ground A
- Pin 4= CAN Low

**Pinout**



- 1 = 8-32 VDC
- 2 = CAN HIGH
- 3 = GROUND A
- 4 = CAN LOW



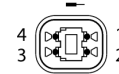
**Accessories**

**Outputs: 8 x DT06-4S**

**OUTPUT Ports 1 to 8**

- Pin 1= Ground B
- Pin 2= Output B
- Pin 3= Ground B
- Pin 4= Output A

**Pinout**



- 1 = GROUND B
- 2 = OUTPUT B
- 3 = GROUND B
- 4 = OUTPUT A

**Module LED Status**

<b>Operating States (LEDs)</b>	<b>Color</b>	<b>Status</b>
PWR	Blue	Module and Ports power are connected
COM & STAT	Green	Module and Communication status
FLT	Red	Fault Status
OUT	Yellow	Left LED-Output A Right LED – Output B