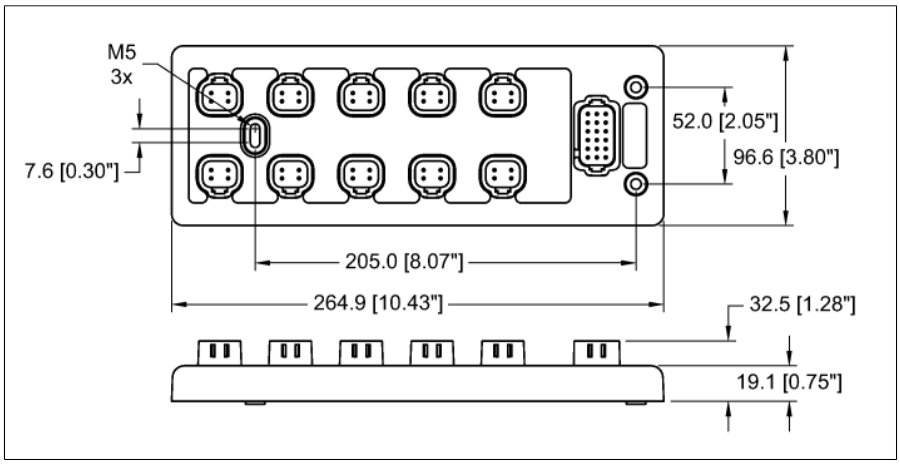
16 Digital PNP Outputs with PWM
TBCJ-D1-16DOPPWM



Type designation	TBCJ-D1-16DOPPWM
Ident-No.	6884505
Supply voltage	8-32VDC
Admissible range	8-32VDC
Fieldbus connection technology	2 x DT06-4S
Number of channels	16
Vibration test	Vibration in accordance with JDQ 53.3 6.1.1.1 & 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 32.5mm
Operating temperature	-40…+85 °C
Storage temperature	-45…+85 °C
Protection class	IP67
Housing color	Black
Mounting	Screw connection

- **Molded plastic housing**
- **Shock and vibration tested**
- **Fully potted module electronics**
- **Protection class IP67**
- **J1939 Interface**
- **This block has 16 outputs, which can be configured for PWM or digital controls. 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 overcurrent**
- **The TBCJ product series is a series of distributor blocks with ports for Deutsch connectors. The TBCJ product series has been developed for the mobile device industry (with J1939 for communication) and includes input, output and combination blocks. Each I/O point on the block has short-circuit and overcurrent protection as well as LED indicators to assist with troubleshooting.**

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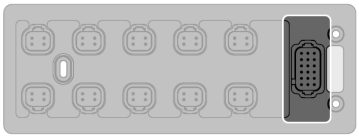
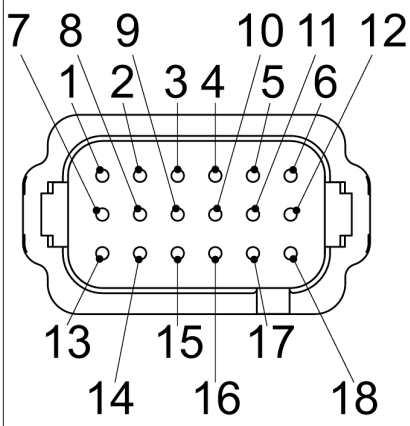
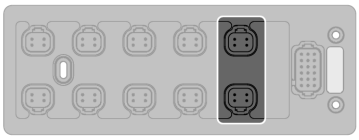
TBCJ-D1-16DOPPWM



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
All Ground B's are internally connected. An additional Ground B must be supplied for every 13A of power used

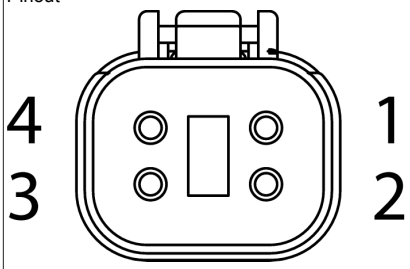
Pinout

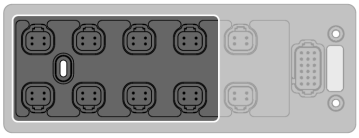




CAN in/out: 2 x DT06-4S
CAN Port 1 & 2
Pin 1 = 8-32VDC
Pin 2 = CAN High
Pin 3 = Ground A
Pin 4 = CAN Low

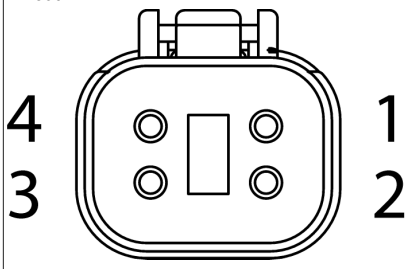
Pinout





I/O Ports: 8 x DT06-4S
Power Ports 1 to 8
Pin 1= 8-32 VDC
Pin 3= Ground
Output Ports 1 to 8
Port 1, Pin 4: Output 1A
Port 1, Pin 2: Output 1B
Port 2, Pin 4: Output 2A
Port 2, Pin 2: Output 2B
Port 3, Pin 4: Output 3A
Port 3, Pin 2: Output 3B
Port 4, Pin 4: Output 4A
Port 4, Pin 2: Output 4B
Port 5, Pin 4: Output 5A
Port 5, Pin 2: Output 5B
Port 6, Pin 4: Output 6A
Port 6, Pin 2: Output 6B
Port 7, Pin 4: Output 7A
Port 7, Pin 2: Output 7B
Port 8, Pin 4: Output 8A
Port 8, Pin 2 Output 8B
Configurations
1.Digital high side
2.PWM
3.Ratiometric (Pending Q3)
Output Current
10A= Output 1A & 3A
4A = All other outputs

Pinout



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Module Status LED

Operating status (LEDs)	Color	Status
PWR	Blue	Module and ports are supplied with power.
COM & STAT	Green	Module and communication status
FLT	Red	Error status
OUT	Yellow	Left LED — Output A Right LED — Output B

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