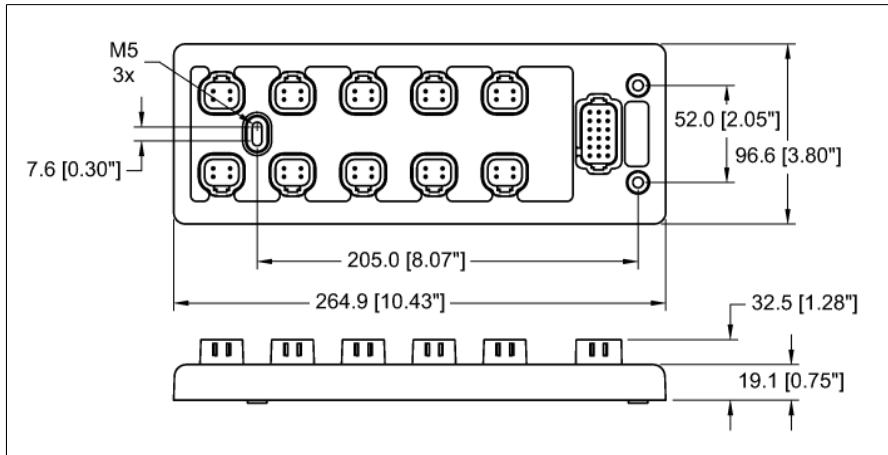


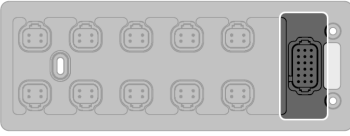
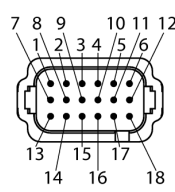
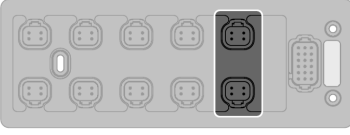
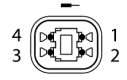
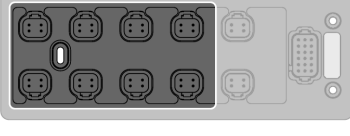
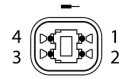
16 Digital PNP Outputs with PWM

TBCJ-D1-16DOPPWM



- 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 over-current

ID	6884505
Supply voltage	8...32 VDC
Admissible range	8...32 VDC
Fieldbus connection technology	2 x DT06-4S
Number of channels	16
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

	<p>Operating Voltage and CAN bus: 18 pole DT16-18SA Socket</p> <p>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</p> <p>All Ground B's are internally connected. An additional Ground B must be supplied for every 13A of power used</p>	<p>Pinout</p>  <ul style="list-style-type: none"> 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
	<p>CAN in/out: 2 x DT06-4S</p> <p>CAN Port 1 & 2</p> <p>Pin 1 = 8-32VDC Pin 2 = CAN High Pin 3 = Ground A Pin 4 = CAN Low</p>	<p>Pinout</p>  <ul style="list-style-type: none"> 1 = 8-32 VDC 2 = CAN HIGH 3 = GROUND A 4 = CAN LOW
	<p>I/O Ports: 8 x DT06-4S</p> <p>Power Ports 1 to 8</p> <p>Pin 1= 8-32 VDC Pin 3= Ground</p> <p>Output Ports 1 to 8</p> <p>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</p> <p>Configurations</p> <ol style="list-style-type: none"> 1.Digital high side 2.PWM 3.Ratiometric (Pending Q3) <p>Output Current</p> <p>10A= Output 1A & 3A 4A = All other outputs</p>	<p>Pinout</p>  <ul style="list-style-type: none"> 1 = 8-32 VDC 2 = I/O 1B 3 = GROUND 4 = I/O 1A

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