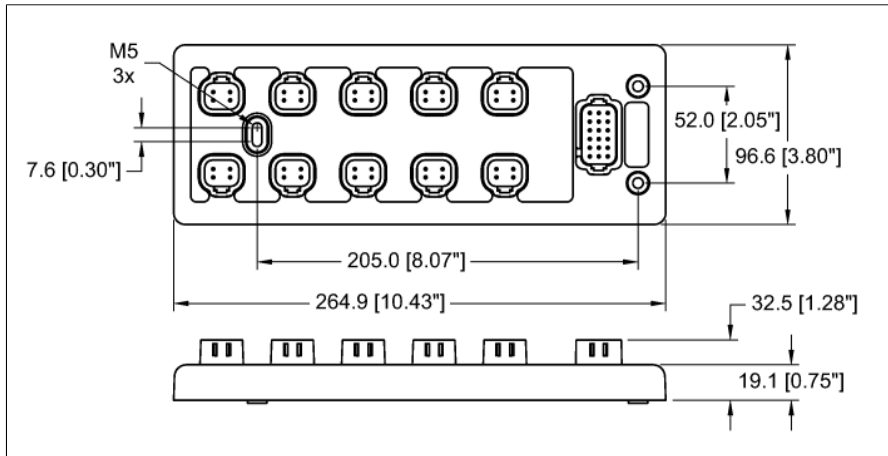


4 Digital PNP Inputs, 4 Digital or Analog Inputs (Configurable), and 8 Digital PNP outputs with PWM

TBCJ-D1-4DI-4DIAI-8DOPPWM



- This block module combines all of our I/O configurations in a single device. It has eight inputs that can be operated separately — up to four of which can be operated as analog inputs. Two of the digital inputs can be configured as frequency/counter. This block module also has eight freely configurable outputs. This module can deliver up to 26 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
- Outputs (configurable): 8 Digital (+), PWM, PWM (I)
- Output diagnostics: Short-circuit and overcurrent
- The TBCJ family is a family of distribution blocks with ports for Deutsch connectors. Designed for the mobile equipment industry (using J1939 for communication), the TBCJ family includes input, output and combination blocks. Each I/O point on the block has short circuit and overcurrent protection as well LED indicators to assist in troubleshooting.

Type designation	TBCJ-D1-4DI-4DIAI-8DOPPWM
Ident-No.	6884502
Supply voltage	8-32VDC
Admissible range	8-32VDC
Number of channels	16
Low level signal voltage	<0.3 V
High level signal voltage	>0.8 V
Operating modes	Digital, Analog
Resolution	12 bit
Load resistance	3300 KΩ
Measuring range	0 to 10 V, 0 to 5 V, 0 to 32 V
Measurement error total (FSR)	≤ 1% Full Scale
Load resistance	3300 Ω
Measuring range	4...20 mA
Measurement error total (FSR)	≤ 1% Full Scale
Output voltage	8-32VDC
Output current per channel	4A
Vibration test	Vibration to JDQ 53.3 6.1.1 & 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

4 Digital PNP Inputs, 4 Digital or Analog Inputs (Configurable), and 8 Digital PNP outputs with PWM
TBCJ-D1-4DI-4DIAI-8DOPPWM

	Operating Voltage and CAN bus: 18 pole DT16-18SA Socket 1. Baud 1-A 2. Config 1-A 3. Config 2-A 4. Config 3-A 5. Config 4-A 6. N/C 7. Baud1-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. N/C 16. Ground B 17. Ground B 18. Ground B	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
	Outputs: 4 x DT06-4S OUTPUT Ports 1 to 4 Pin 1= Ground B Pin 2= Output B Pin 3= Ground B Pin 4= Output A	Pinout
	Inputs: 4 x DT06-4S INPUT Ports 1 to 4 Pin 1= 8-32VDC Pin 2= Input B Pin 3= Ground A Pin 4= Input A	Pinout

4 Digital PNP Inputs, 4 Digital or Analog Inputs (Configurable), and 8 Digital PNP outputs with PWM TBCJ-D1-4DI-4DIAI-8DOPPWM

Module LED Status

Operating States (LEDs)		Color	Status
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