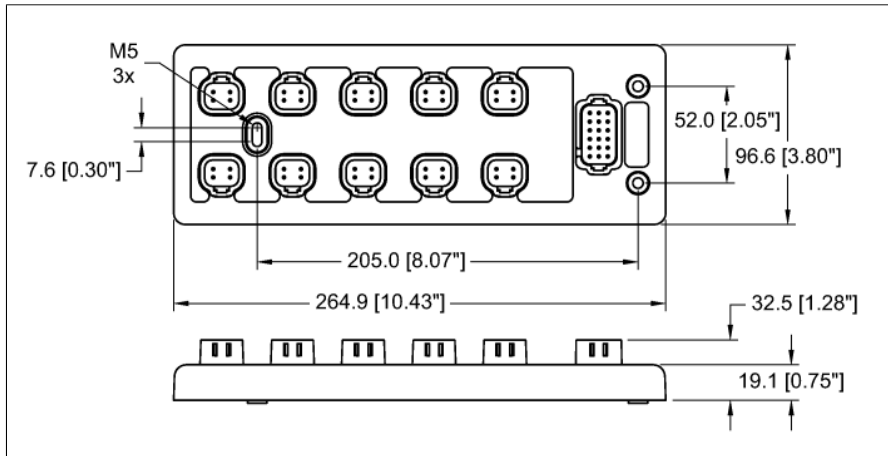


8 Digital PNP Inputs, 8 Digital PNP Inputs or Analog Inputs (Configurable) TBCJ-D1-8DI-8DIAI



- This block combines all of our I/O configurations into 1 block. This block has 8 inputs, up to 4 can be analog with the possibility of 8 discrete. Two of the digital inputs can be configured for frequency/counter. This block also has 8 outputs that can be individually configured for every configuration we have available. This module can handle up to 26 amps of 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.

Type designation	TBCJ-D1-8DI-8DIAI
Ident-No.	6884501
Supply voltage	8-32VDC
Admissible range	8-32VDC
Fieldbus connection technology	2 x DT06-4S
Number of channels	16
Input type	PNP
Low level signal voltage	<0.3 V
High level signal voltage	>0.8 V
Operating modes	Digital, Analog
Resolution	12 bit
Load resistance	3300 K Ω
Measuring range	0 to 10 V, 0 to 5 V, 0 to 32 V
Measurement error total (FSR)	$\leq 1\%$ Full Scale
Load resistance	3300 Ω
Measuring range	4...20 mA
Measurement error total (FSR)	$\leq 1\%$ Full Scale
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	-40...+85 °C
Protection class	IP67
Housing color	Black
Mounting	Screw connection

8 Digital PNP Inputs, 8 Digital PNP Inputs or Analog Inputs (Configurable) TBCJ-D1-8DI-8DIAI

	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. N/C 13. N/C 14. N/C 15. N/C 16. N/C 17. N/C 18. N/C	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
	Inputs/Output: 8 x DT06-4S Input ports 1 to 8 Pin 1 = 8 -32VDC Pin 2= Input B Pin 3= Ground A Pin 4= Input A	Pinout

8 Digital PNP Inputs, 8 Digital PNP Inputs or Analog INputs (Configurable)

TBCJ-D1-8DI-8DIAI

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 — Input A Right LED — Input B