

## Programmable Logic Controller-TBK1903

The TBK-19 series controller is designed for detection, control, and automation tasks across various industries. It can operate independently or be networked with multiple units to handle complex program control, centralized monitoring, and decentralized management. It is suitable for rail transit systems and a wide range of industrial automation applications.

### Parameters

#### Input Characteristics

- Number of Output Points: 8 transistor outputs
- Rated Voltage: 24VDC (typ. 4mA)
- Rated Input Voltage: 24VDC
- Logic "1" Signal (Min): 12VDC
- Logic "0" Signal (Max): 5V
- Input Delay: Max. 4.5ms
- Isolation: Opto-isolated

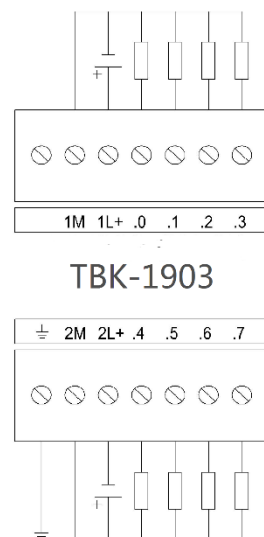
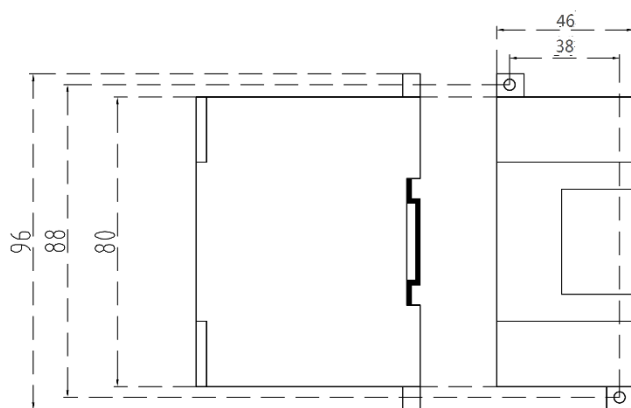
#### Output Characteristics

- Output Type: Transistor
- Rated Output Voltage: 24VDC
- Voltage Range: 20.4VDC~28.8VDC
- Minimum Output Voltage when "1": 20VDC
- Isolation: Opto-isolated
- Rated Output Current: 2A
- Lamp Load Capacity: 5W
- Max Cable Length (Unshielded): 150m
- Max Cable Length (Shielded): 500m

## General Data

- Power consumption: 2W
- Operating temperature: -40°C to +75°C
- Altitude: ≤ 3600 m
- Relative humidity: ≤ 100% (marine atmosphere)
- Enclosure material: Flame-retardant ABS & PC
- Software support:
  - V4.0 STEP 7 / MicroWIN-SP6 & SP9
  - CX-Programmer
  - SIMATIC & IEC 1131-3
- Programming languages: LAD / STL / FBD
- EMC compliance: EN 50121-3-2
- Shock and vibration resistance: IEC 61373, Class 1, Category B
- Environmental testing: GB/T 25119
- Safety compliance: GB/T 21562

## Outline & Interface



## Note

- The operating environment should be protected from wind, sand, rain, and snow to avoid direct exposure to harsh conditions.