Current Consumption and Weight

The following table shows the current consumption, the weight and the connector-lock strength for the I/O Units.

Model	I/O Unit interface power supply current	I/O power supply current	Weight
GT1-ID16(-1)	35 mA max.	---	Approx. 330 g
GT1-ID16MX(-1)	35 mA max.	---	Approx. 175 g
GT1-ID16ML(-1)	35 mA max.	---	Approx. 120 g
GT1-ID16DS(-1)	35 mA max.	---	Approx. 125 g
GT1-ID32ML(-1)	55 mA max.	---	Approx. 195 g
GT1-OD16(-1)	35 mA max.	9 mA max.	Approx. 330 g
GT1-OD16MX(-1)	35 mA max.	9 mA max.	Approx. 150 g
GT1-OD16ML(-1)	35 mA max.	9 mA max.	Approx. 90 g
GT1-OD16DS(-1)	35 mA max.	9 mA max.	Approx. 95 g
GT1-OD32ML(-1)	65 mA max.	11 mA max.	Approx. 165 g
GT1-ROP08	40 mA max.	350 mA max. (inrush current 30 A max.)	Approx. 405 g
GT1-ROS16	50 mA max.	250 mA max. (inrush current 30 A max.)	Approx. 320 g
GT1-AD04	50 mA max.	100 mA max. (inrush current 20 A max.)	Approx. 220 g
GT1-AD08MX	50 mA max.	100 mA max. (inrush current 30 A max.)	Approx. 180 g
GT1-DA04	50 mA max.	150 mA max. (inrush current 20 A max.)	Approx. 230 g
GT1-DA04MX	50 mA max.	100 mA max. (inrush current 30 A max.)	Approx. 180 g
GT-TS04T	50 mA max.	80 mA max. (inrush current 10 A max.)	Approx. 210 g
GT-TS04P	50 mA max.	80 mA max. (inrush current 10 A max.)	Approx. 210 g
GT1-CT01	90 mA max.	9 mA max.	Approx. 250 g

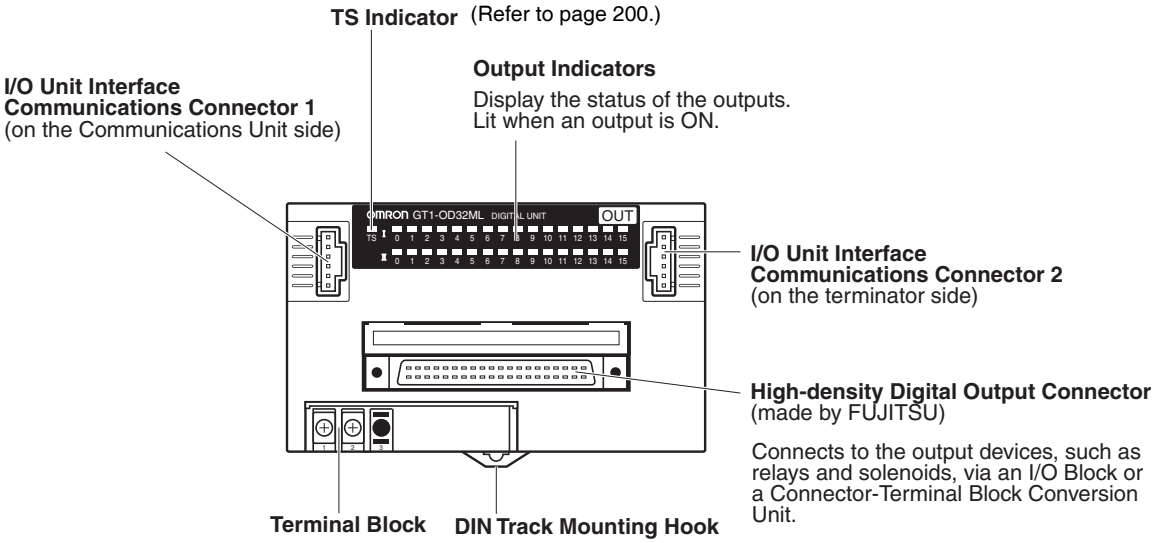
Note Input Units do not consume current from the I/O power supply.

4-4-9 GT1-OD32ML Transistor Output Unit with High-density Connector (NPN)

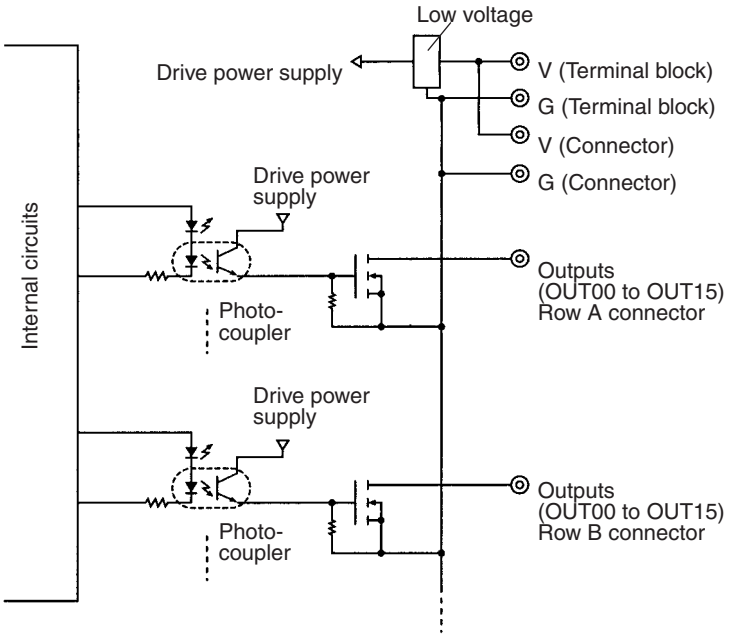
Output Specifications

Item	Specifications
Number of outputs	32 points
Current per common	With connectors: 2 A max. With terminal board: 4 A max.

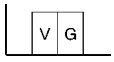
Components



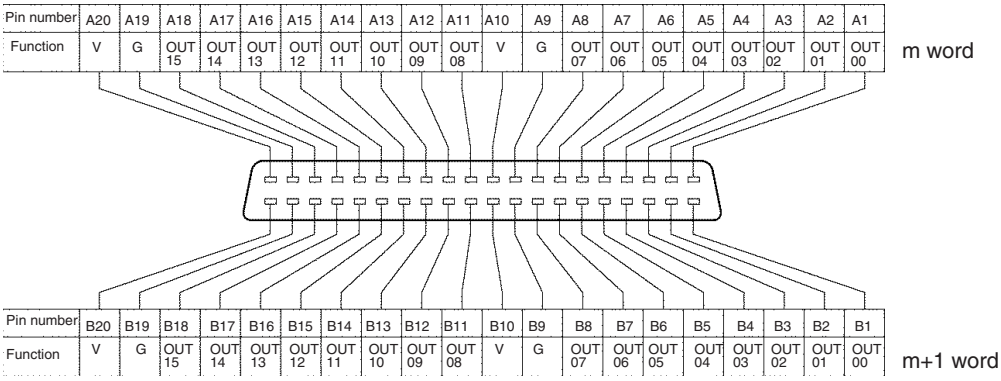
Internal Circuits



Terminal Arrangement



Connector Pin Arrangement



Wiring

Attach a FUJITSU connector to the Transistor Output Unit and connect it to external devices.

Applicable Connectors

Three types of connectors can be attached to the cable, depending on the assembly method. When creating your own cables, use one of the following connectors.

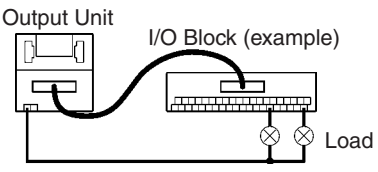
Manufacturer	Model number	Remarks
FUJITSU	FCN361J040-AU	Soldered
	FCN363J040-AU	Crimp
	FCN367J040-AU/F	Pressure-welded

Connector Cables

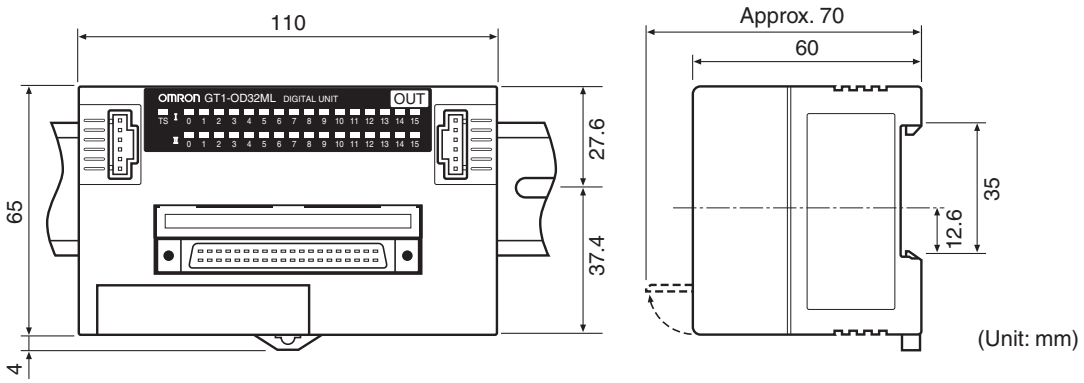
When a Transistor Output Unit (high-density connector) is to be connected to an OMRON I/O Block or a Connector-Terminal Block Conversion Unit, use the cables (sold separately) listed in the following table.

Manufacturer	Model number	Corresponding device
OMRON	XW2Z-□□□B	Connector-Terminal Block Conversion Unit XW2B-40G4 XW2B-40G5
	XW2Z-RO□C-□	I/O Block G7TC-OC16, G7TC-OC08 G70D-SOC16, G70D-FOM16 G70D-VSOC16, G70A-ZOC16-3 M7F

Note V terminals and G terminals are internally connected. When the I/O power is being supplied, the power can be supplied to the output devices from the V and G connectors. Current supplied in this way, however, must be less than 2 A. If, instead of using the V and G connectors, the power supply is wired to the terminal block as shown in the following diagram, the current supplied must be less than 4 A.



Dimensions



Note The vertical center of the Unit is 4.9 mm lower than the center of the DIN track. The Unit therefore extends downward 41.4 mm (including the mounting hook) from the DIN track center.

4-4-10 GT1-OD32ML-1 Transistor Output Unit with High-density Connector (PNP)

Output Specifications

Item	Specifications
Number of outputs	32 points
Current per common	With connectors: 2 A max. With terminal block: 4 A max.

Components

