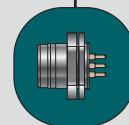# Receptacles

- 4-Pole Micro-Change® (M12) Receptacles
- Accepts both threaded and Ultra-Lock™ cordsets

A variety of receptacles allow the data line to enter an enclosure and make a connection to the inside of the panel and its components. Front-panel mount, often used for sensor applications, and back-panel mount, typically used for enclosures, are available in both male and female configurations. All receptacles feature the patented Ultra-Lock feature, and can mate to both standard and Ultra-Lock M12 cordsets.

- Mates with both threaded M12 and Ultra-Lock™ M12 cordsets
- Category 5e compliant
- IP67 rated, perfect for harsh industrial environments
- D-Coded to ensure proper alignment/mating
- Board locking feature for more secure mounting

Receptacles

FACE VIEW					
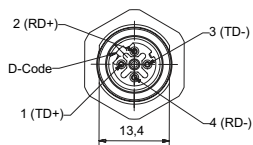
2 (RD+) 3 (TD-) D-Code 1 (TD+) 4 (RD-) 13,4 FEMALE

PINOUT / COLOR CODE	1- YELLOW (TD+) 3- ORANGE (TD-)		2- WHITE (RD+) 4- BLUE (RD-)		

	FIG	PCB-MOUNT	FIG	WITH 0.5M FLYING LEAD	FIG	CABLE TO RJ45
BACK-PANEL MOUNT/M16	1	ERWD2U70	5	ERWAAU7000CC050	6	ERWPAU7003M006
	2	ERWF2U70❶				
BACK-PANEL MOUNT/M16 TO RJ45 ADAPTER — STRAIGHT					9	ER1P ADAPTER
BACK-PANEL MOUNT/M16 TO RJ45 ADAPTER — 90°					9	ER1P ADAPTER 90
FRONT-PANEL MOUNT/PG9	3	ERWD2J30	7	ERWAAJ3000CC050		
FRONT-PANEL MOUNT/M16	4	ERWD2U30	8	ERWAAU3000CC050		

❶ Includes board locking feature

Specifications

MECHANICAL
SHELL: NICKEL-PLATED BRASS
INSERT: PUR
CONDUCTORS: BRASS GOLD PLATED/BRONZE SELECTIVE GOLD PLATED
O-RING: FPM (ALSO CALLED VITON OR FKM)

ELECTRICAL
VOLTAGE RATING: 21.5V
AMPERAGE RATING: 4A
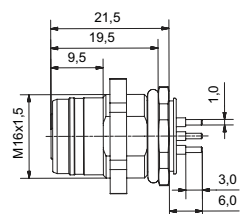TIA/EIA RATING: CATEGORY 5E

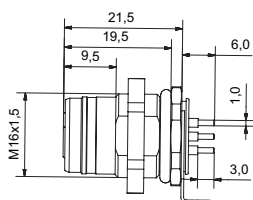**ENVIRONMENTAL**
PROTECTION: IP67, SUN/OIL RESISTANT

BradConnectivity™
from Woodhead Industries

RECEPTACLE DIMENSIONS

——BACK-PANEL MOUNT/M16——

FIG 1

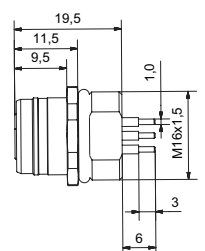——BACK-PANEL MOUNT/M16——

FIG 2

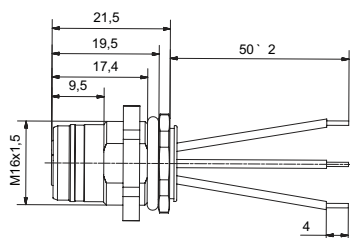——FRONT-PANEL MOUNT/PG 9——

FIG 3
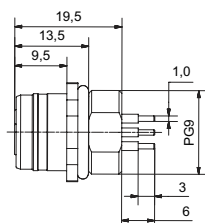
——FRONT-PANEL MOUNT/M16——

FIG 4

——BACK-PANEL MOUNT/M16 WITH——
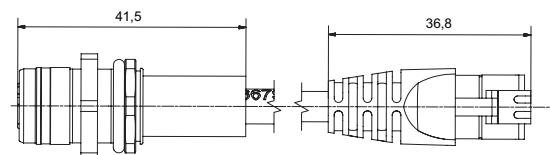50MM WIRE LEADS

FIG 5
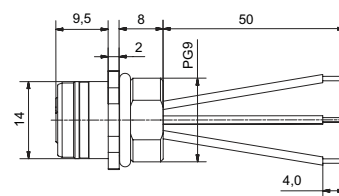
RECEPTACLE DIMENSIONS

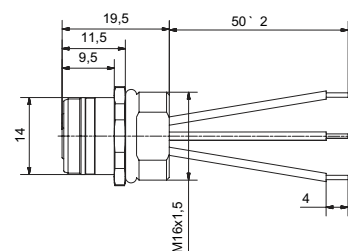——BACK-PANEL MOUNT/M16 WITH——
0.6M CABLE

FIG 6

——FRONT-PANEL MOUNT/PG 9 WITH——
50MM WIRE LEADS

FIG 7

——FRONT-PANEL MOUNT/M16 WITH——
50MM WIRE LEADS

FIG 8

——BACK-PANEL MOUNT/M16 TO——
RJ45 ADAPTER

FIG 9