

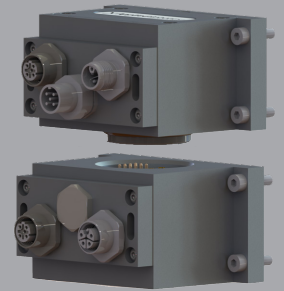
# XCHANGE™ Utility Module

## E125LP Electrical Modules

Electrical Modules pass signals during an automatic tool changing operation.

### Advantages:

- Flexible Connection Options
- Aluminum construction to reduce EMI
- Low-Profile to minimize end effector height
- Replacement probes for fast and easy maintenance
- IP65 when coupled



## SPECIFICATIONS

Model	Description	User Connection	Rated Current	Rated Voltage	Couple/Uncouple Sensor Interface	Tool Identification Included	Weight**
			A	V (AC/DC)			
E125LP-R-D-PG-20.05-00-N	Robot Adaptor - Strain Relief	Strain Relief (6.0 mm – 12.0 mm OD) 20x Max. Wire Gauge: 22 AWG	5 *	1000 *	No	N/A	0.30 (0.66)
E125LP-T-D-PG-20.05-00-N	Tool Adaptor - Strain Relief	Strain Relief (6.0 mm – 12.0 mm OD) 20x Max. Wire Gauge: 22 AWG	5 *	1000 *	N/A	No	0.35 (0.77)
E125LP-R-D-M23-17.05-00-N	Robot Adaptor - Discrete M23	17 PIN, M23 "E" CW	5	125	Optional	N/A	0.30 (0.66)
E125LP-T-D-M23-17.05-00-N	Tool Adaptor - Discrete M23	17 SOC, M23 "P" CCW	5	125	N/A	Optional	0.35 (0.77)
E125LP-R-D-MS-18.05-00-N	Robot Adaptor - Discrete MS	18 PIN, MS3112E14-18P	5	600	Optional	N/A	0.30 (0.66)
E125LP-T-D-MS-18.05-00-N	Tool Adaptor - Discrete MS	18 SOC, MS3112E14-18S	5	600	N/A	Optional	0.35 (0.77)
E125LP-T-D-N-0.05-15-N ***	Tool Adaptor - Tool Identification	N/A (Tool ID Only) Up to 15 Tools	1	28	N/A	Yes	0.35 (0.77)
E125LP-R-PN-M12-5.16/4.05-P-00-N	Robot Adaptor - Profinet	4 SOC, M12 D-CODED 5 PIN, M12 L-CODED 5 PIN, M12 A-CODED	4 16 4	250 63 250	Yes	N/A	0.30 (0.66)
E125LP-T-PN-M12-5.16/4.05-00-N	Tool Adaptor - Profinet	4 SOC, M12 D-CODED 5 SOC, M12 L-CODED	4 16	250 63	N/A	No	0.35 (0.77)
E125LP-R-S-M23-6.16/17.05-00-N	Robot Adaptor - Servo M23	17 PIN, M23 ""E"" CW 6 PIN, M23 ""E"" CW	5 16	125 630	No	N/A	0.30 (0.66)
E125LP-T-S-M23-6.16/17.05-00-N	Tool Adaptor - Servo M23	17 SOC, M23 ""P"" CCW 6 SOC, M23 ""P"" CCW	5 16	125 630	N/A	No	0.35 (0.77)

\* Rated Current/Voltage may change based upon cable/wire rating.

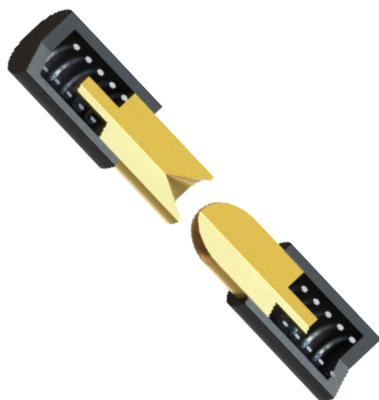
\*\* Module weight may vary depending on specific configuration.

\*\*\* Tool Identification Module can be used with any Robot Adaptor Modules listed above it.

Operating Temperature: **5 - 60 °C (40 - 140 °F)**

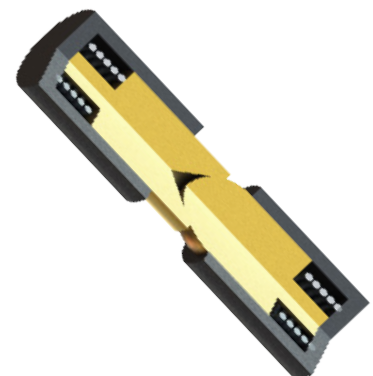
Noise Emissions (Sound Pressure): **≤ 70 dB(A) in any direction**

## CONTACT PROBE TECHNOLOGY



Applied Robotics XCHANGE™ electrical modules use spring loaded contact probes for their many benefits:

- Low contact resistance
- High mating cycles
- Limited debris buildup
- Minimal maintenance



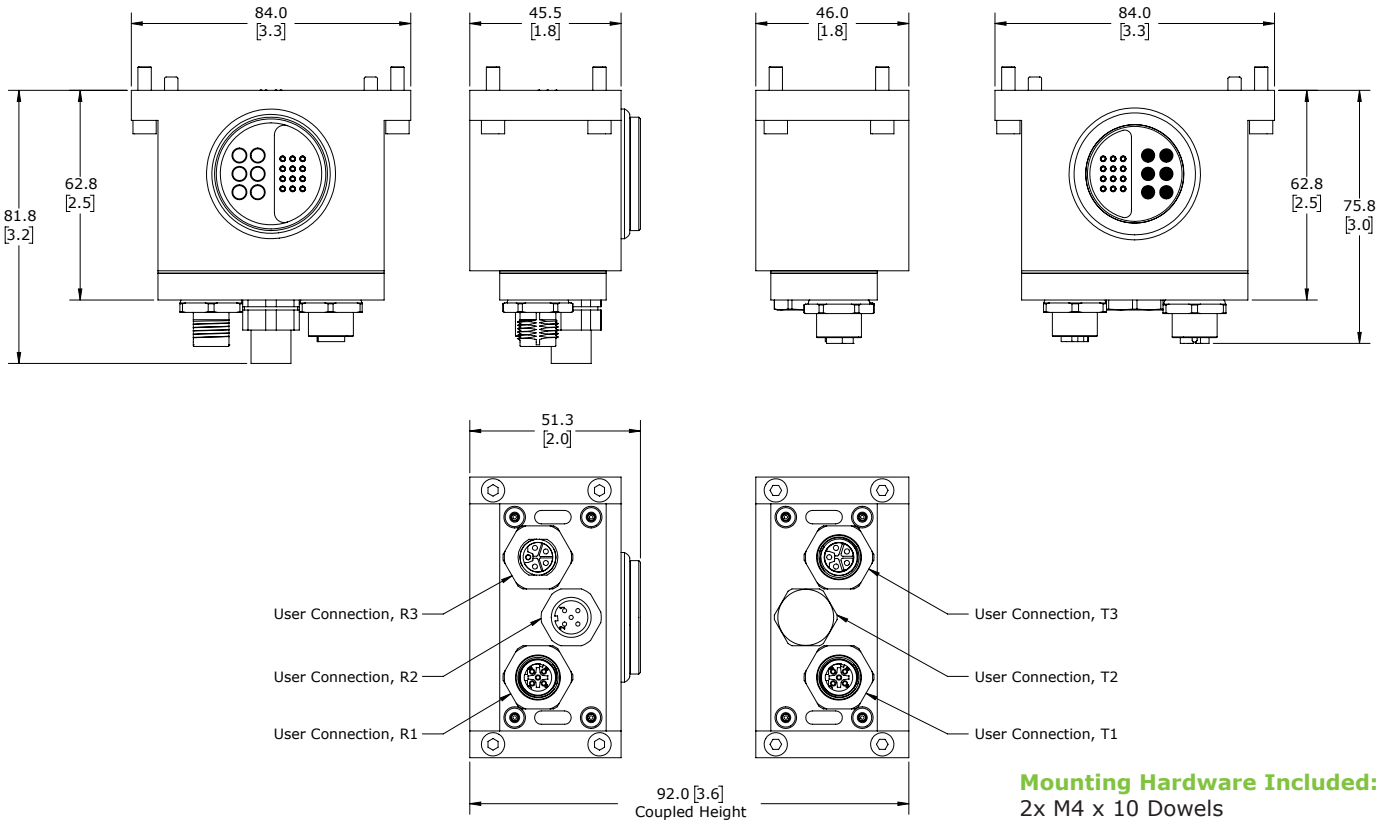
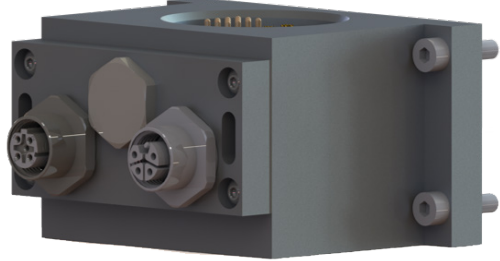
\* Images are visual representations only.

# PRODUCT INFORMATION

## ROBOT ADAPTOR MODULE



## TOOL ADAPTOR MODULE



**Mounting Hardware Included:**  
2x M4 x 10 Dowels  
4x M4 x 16 SHCS

\* Dimensions are in millimeters (inches).

\*\* All dimensions are descriptive and subject to variation for technical upgrading. We reserve the right to make variations without prior notification.



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