

TURCK

Your Global Automation Partner

Data Centers Preferred Products Guide



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TURCK Preferred Products Guide for Data Centers

Smart, Sustainable Automation Solutions

Use this TURCK Preferred Products Guide to help you select products that are an ideal starting point for data center applications. We partner with data center builders, OEMs, and integrators to provide the reliable, cabinet-free electrical and mechanical systems your operations demand.

In the Data Center Preferred Products Guide, you will find a curated selection of industrial automation hardware engineered to optimize data center facility infrastructure. The guide details rugged, space-saving components like IP67-rated block I/O modules and cabinet-free system architectures designed to reduce physical footprints and installation labor. It also features advanced IO-Link master modules and condition monitoring sensors that track environmental variables like temperature, moisture and airflow to proactively prevent costly downtime. Please do not hesitate to reach out to us – we will work closely with you to make sure your next data center project is a success.

How to use this guide.

Products are marked Build to Stock (BTS) or Focus+ in each of the product tables. That will give you an indication of lead times.

- Focus+ means readily available/in stock or quick build time to replenish stock
- Build to Stock indicates some stock available or shorter build time to replenish stock

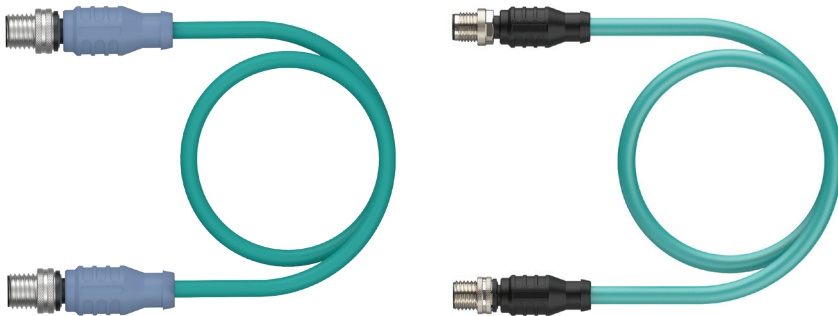
NEED MORE HELP?

For questions, please reach out to your local TURCK sales representative or email us at DataCenterUS@turck.com



Connectivity

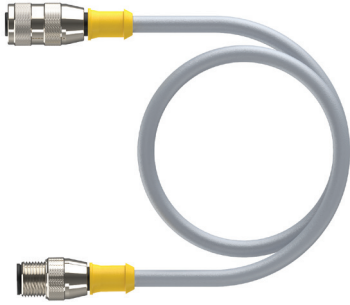
Ethernet Cordsets, D-Code & X-Code



Material ID	Part Number	Pin Count	Termination Type	Cable Length	Orientation	Cable Type	Build to Stock	Focus+ Program
U3-00504	RSSD RJ45S 441-1M	4	M12/RJ45	1 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U3-00525	RSSD RJ45S 441-2M	4	M12/RJ45	2 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U3-00588	RSSD RJ45S 441-5M	4	M12/RJ45	5 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U-02773	RSSD RJ45S 441-20M	4	M12/RJ45	20 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U3-00372	RSSD RSSD 441-1M	4	M12/M12	1 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U-02482	RSSD RSSD 441-2M	4	M12/M12	2 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U-06867	RSSD RSSD 441-5M	4	M12/M12	5 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U-03619	RSSD RSSD 441-20M	4	M12/M12	20 m	Straight	441 - Stranded Shielded/2utpx24 AWG CAT5e	Y	Y
U2-24205	PSGS 4M RJ45S 4413-2M	4	M8/RJ45	2 m	Straight	4413 - Stranded Shielded/2utpx26 AWG CAT5e	Y	Y
U-81787	PSGS 4M RJ45S 4413-5M	4	M8/RJ45	5 m	Straight	4413 - Stranded Shielded/2utpx26 AWG CAT5e	Y	Y
UX03780	PSGS 4M RJ45S 4413-20M	4	M8/RJ45	20 m	Straight	4413 - Stranded Shielded/2utpx26 AWG CAT5e	Y	Y
U-58839	RSSD PSGS 4M 4413-0.5M	4	M12/M8	0.5 m	Straight	4413 - Stranded Shielded/2utpx26 AWG CAT5e	Y	Y
U-58840	RSSD PSGS 4M 4413-1M	4	M12/M8	1 m	Straight	4413 - Stranded Shielded/2utpx26 AWG CAT5e	Y	Y
U2-23522	RSSD PSGS 4M 4413-10M	4	M12/M8	10 m	Straight	4413 - Stranded Shielded/2utpx26 AWG CAT5e	Y	Y
U2-29227	RSSX RSSX 860-1M	8	M12/M12	1 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
U2-29237	RSSX RSSX 860-3M	8	M12/M12	3 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
U2-29241	RSSX RSSX 860-5M	8	M12/M12	5 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
UX06868	RSSX RSSX 860-10M	8	M12/M12	10 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
UX10106	RSSX RSSX 860-20M	8	M12/M12	20 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
U2-29223	RSSX RJ45S 860-1M	8	M12/RJ45	1 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
UX06115	RSSX RJ45S 860-3M	8	M12/RJ45	3 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
U2-29224	RSSX RJ45S 860-5M	8	M12/RJ45	5 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
UX05969	RSSX RJ45S 860-10M	8	M12/RJ45	10 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N
UX16020	RSSX RJ45S 860-20M	8	M12/RJ45	20 m	Straight	860 - Stranded Shielded 4utpx26 AWG Cat6a	Y	N

Connectivity

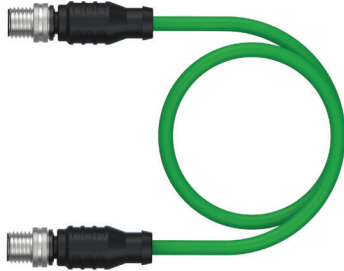
Shielded M12 Cordsets



Material ID	Part Number	Pole Count	Cable Length	Gender	Orientation	Cable Type	Build to Stock	Focus+ Program
U2297-0	RK 4.5T-1-RS 4.5T/S653	5	1 m	Male/Female	Straight/Straight	Gray PVC, 4x22 AWG, Foil Shield with Drain, ITC/PLTC	Y	N
U2187-09	RK 4.5T-2-RS 4.5T/S653	5	2 m	Male/Female	Straight/Straight	Gray PVC, 4x22 AWG, Foil Shield with Drain, ITC/PLTC	Y	N
U2188-12	RK 4.5T-4-RS 4.5T/S653	5	4 m	Male/Female	Straight/Straight	Gray PVC, 4x22 AWG, Foil Shield with Drain, ITC/PLTC	Y	N
U2188-90	RK 4.5T-5-RS 4.5T/S653	5	5 m	Male/Female	Straight/Straight	Gray PVC, 4x22 AWG, Foil Shield with Drain, ITC/PLTC	Y	N
U2297-75	RK 4.5T-6-RS 4.5T/S653	5	6 m	Male/Female	Straight/Straight	Gray PVC, 4x22 AWG, Foil Shield with Drain, ITC/PLTC	Y	N
U5238-13	RK 4.5T-10-RS 4.5T/S653	5	10 m	Male/Female	Straight/Straight	Gray PVC, 4x22 AWG, Foil Shield with Drain, ITC/PLTC	Y	N
U5250-1	RK 4.5T-20-RS 4.5T/S653	5	20 m	Male/Female	Straight/Straight	Gray PVC, 4x22 AWG, Foil Shield with Drain, ITC/PLTC	Y	N

Connectivity

PROFINET Shielded Cordsets



Material ID	Part Number	Pin Count	Termination Type	Cable Length	Orientation	Cable Type	Build to Stock	Focus+ Program
U-38541	RSSD RJ45S 423-1M	4	M12/RJ45	1 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N
U-56124	RSSD RJ45S 423-2M	4	M12/RJ45	2 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N
U-40122	RSSD RJ45S 423-5M	4	M12/RJ45	5 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N
U-41382	RSSD RJ45S 423-20M	4	M12/RJ45	20 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N
U-38542	RSSD RSSD 423-1M	4	M12/M12	1 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N
U-45540	RSSD RSSD 423-2M	4	M12/M12	2 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N
U-50316	RSSD RSSD 423-5M	4	M12/M12	5 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N
U-56156	RSSD RSSD 423-20M	4	M12/M12	20 m	Straight	423 - Stranded Shielded/2utpx22 AWG CAT5e	Y	N

RS-485 Shielded Communication Cable



Material ID	Part Number	Pin Count	Termination Type	Cable Length	Orientation	Cable Type	Build to Stock	Focus+ Program
U0352	RSSW RKSX 455-1M	5	M12/M12	1 m	Straight	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	Y	N
U0350	RSSW RKSX 455-2M	5	M12/M12	2 m	Straight	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	Y	N
U0355	RSSW RKSX 455-5M	5	M12/M12	5 m	Straight	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	Y	N
U0350-1	RSSW RKSX 455-20M	5	M12/M12	20 m	Straight	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	Y	N
U7458-1	RSSW D9S/T 455-1M	5, 9	M12/DB9	1 m	Straight, Angle	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	N	N
U7458-2	RSSW D9S/T 455-2M	5, 9	M12/DB9	2 m	Straight, Angle	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	N	N
U0376-05	RSSW D9S/T 455-5M	5, 9	M12/DB9	5 m	Straight, Angle	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	N	N
U7396-033	RSSW D9S RKSX 455-0.3M-0.3M	5, 9, 5	M12/DB9/ M12 (Daisy Chain)	0.3 m, 0.3 m, 0.3 m	Straight, Angle, Straight	455 - VIO, PVC, 2X22, S-FDB, PLTCERDB, DP	N	N

Connectivity

M12 Tees & Splitters



Material ID	Part Number	Pole Count	Connectors	Features	Build to Stock	Focus+ Program
U0875-78	YB2-FSM 4.5/2FKM 4.5	5	1-M12 Male, 2-M12 Female	Junction splitter combines 2 signals into 1 connection	Y	Y
U0098-2	VB2-FSM 4.5/2FKM 4.5/S651	5	1-M12 Male, 2-M12 Female	Junction splitter with parallel wiring	Y	N
100022275	RSP/2RKP56PL	5	1-M12 L-Code Male, 2-M12 L-Code Female	M12 Power tee splitter	Y	N
200003316	VB2-RSSW590-0.2/RSSW RKS590-0.2-0.2	5	2-M12 B-Code Male, 1-M12 B-Code Female	RS485 Parallel Splitter	N	N

M12 L-Code Power Cordsets



Material ID	Part Number	Pin Count	Cable Length	Gender	Orientation	Cable Type	Build to Stock	Focus+ Program
200012239	RKP56PL-1-RSP56PL	5	1 m	Extension	Straight	PVC/Gray 16 AWG	Y	N
200004733	RKP56PL-2-RSP56PL	5	2 m	Extension	Straight	PVC/Gray 16 AWG	Y	N
200004723	RKP56PL-5-RSP56PL	5	5 m	Extension	Straight	PVC/Gray 16 AWG	Y	N
200004725	RKP56PL-10-RSP56PL	5	10 m	Extension	Straight	PVC/Gray 16 AWG	Y	N
200015362	RKP56PL-20-RSP56PL	5	20 m	Extension	Straight	PVC/Gray 16 AWG	Y	N
200004735	RKP56PL-2	5	2 m	Female	Straight	PVC/Gray 16 AWG	Y	N
200004727	RKP56PL-5	5	5 m	Female	Straight	PVC/Gray 16 AWG	Y	N
200004750	RKP56PL-10	5	10 m	Female	Straight	PVC/Gray 16 AWG	Y	N
200013973	RKP56PL-20	5	20 m	Female	Straight	PVC/Gray 16 AWG	Y	N

Industrial Instrumentation

Pressure Sensors



Material ID	Part Number	Pressure Range	Output	IO-Link	Electrical Connection	Build to Stock	Focus+ Program
100017541	PS325-001D-02-2UPN8-H1141	0...1 Bar	Switching Output x2	Y	M12	N	N
100017542	PS325-003D-02-2UPN8-H1141	0...3 Bar	Switching Output x2	Y	M12	N	N

Temperature Transmitters



Material ID	Part Number	Output	Probe Length	Electrical Connection	Process Connection	Build to Stock	Focus+ Program
9910624	TTM-206A-CF-LIUPN-H1140-L100	4-20 mA, IO-Link	100 mm	M12	Separate Accessory	Y	N
9910815	TTM-103A-N1/4-LIUPN-H1140-L024	4-20 mA, IO-Link	24 mm	M12	1/4" NPT	N	N

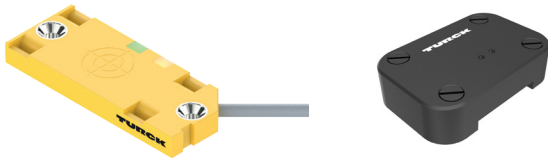
Flow Sensors



Material ID	Part Number	Compatible Medium	Process Connection	Output	Build to Stock	Focus+ Program
100053069	FS501-L-04-LI2UPN8-H1141	Water and Water/Glycol Mixtures	G 1/4"	Switch/Analog/IO-Link	N	N
100030870	FS101-300L-62-2UPN8-H1141	Liquids	G 1/2"	Switch/IO-Link	N	N

Sensors

Capacitive Sensors



Material ID	Part Number	Operating Voltage	Output	Connection	Leak Detection Mounting Bracket	Build to Stock	Focus+ Program
2620109	BC10-QF5.5-AP6X2/S932	10-30 VDC	Normally Open, PNP	3 Wire Cable	FPFM-S	Y	Y
26201821	BC10-QF5.5-AN6X2-0.2-PSG3M/S932	10-30 VDC	Normally Open, NPN	M8	FPFM-S	Y	N

Vibration, Temperature & Humidity Sensors



Material ID	Part Number	Special Features	Body Style	Sensing Range	Operating Voltage	Output	Build to Stock	Focus+ Program
100016543	CMVT-QR20-IOLX3-H1141	Vibration and Temperature	20 mm Rectangular	-40...+85 °C -16 g...+16 g RMS	18-30 VDC	Discrete/IO-Link	Y	Y
100016580	CMTH-M12-IOL6X2-H1141	Temperature and Humidity	12 mm Barrel	-40...100 °C 0...100%RH	18-30 VDC	Discrete/IO-Link	Y	Y

Fieldbus Solutions

Block I/O



Material ID	Part Number	Protocol	Functionality	In/Out Configurable (Discrete)	Build to Stock	Focus+ Program
100053317	TBEN-ELL-8IOLA	Multiprotocol: Ethernet/IP, Modbus TCP, PROFINET	Efficiency IO-Link Master (8 channel Class A), M12 L-Code Power	4	N	N
100053318	TBEN-ELAE-8IOLA	Multiprotocol: Ethernet/IP, Modbus TCP, PROFINET	Efficiency IO-Link Master (8 channel Class A), M12 A-Code Power	4	N	N
6814012	TBEN-L4-16DXP	Multiprotocol: Ethernet/IP, Modbus TCP, PROFINET	Configurable Discrete I/O	16	N	Y
100028459	TBEN-L4-8IOLA	Multiprotocol: Ethernet/IP, Modbus TCP, PROFINET	I/O Link Master (8 channel Class A)	8	N	Y
6814023	TBEN-S1-8DXP	Multiprotocol: Ethernet/IP, Modbus TCP, PROFINET	Compact Configurable Discrete I/O	8	N	Y
6814031	TBEN-S2-2COM-4DXP	Multiprotocol: Ethernet/IP, Modbus TCP, PROFINET	Compact Serial Interface (2 channel RS232/RS485)	4	N	N

Modular I/O



Material ID	Part Number	Functionality	Inputs	Outputs	Build to Stock	Focus+ Program
6827392	BL67-GW-EN-4F	Multiprotocol Gateway: Ethernet/IP, Modbus TCP, PROFINET			N	Y
6827187	BL67-B-4M12	M12 Base (4x M12 Connectors)			N	Y
6827170	BL67-8DI-P	Discrete Input Module	8 Discrete		N	Y
6827172	BL67-8DO-0.5A-P	Discrete Output Module		8 Discrete	N	Y
6827386	BL67-4IOL	IO-Link Master (4 channel) Module			N	Y
6827312	BL67-4AI4AO-V/I	Analog Input/Output Module	4 Analog (V/I)	4 Analog (V/I)	N	Y

Fieldbus Solutions (continued)

Electronic Fuse



Material ID	Part Number	Functionality	Protocol	Input Connector	Output Connectors	Output Current	Build to Stock	Focus+ Program
100050317	TBIF-LL-2M12-2M8-TM24	Electronic Circuit Breaker with Adjustable Output Current Max. 4 A	IO-Link	1 M12 L-Coded	2 M8 2 M12 A-coded	4 A Max per Port	Y	N
100050320	TBIF-LL-2M8-TM24	Electronic Circuit Breaker with Adjustable Output Current Max. 4 A	IO-Link	1 M12 L-Coded	2 M8	4 A Max per Port	Y	N
100050319	TBIF-LL-2M12-TM24	Electronic Circuit Breaker with Adjustable Output Current Max. 4 A	IO-Link	1 M12 L-Coded	2 M12 A-coded	4 A Max per Port	Y	N

*Pending UL approval

IO-Link Hubs



Material ID	Part Number	Protocol	Functionality	In/Out Configurable (Discrete)	Build to Stock	Focus+ Program
100051094	TBIL-EMN-16DXP	IO-Link	Efficiency Line	16	N	N
6814102	TBIL-M1-16DXP	IO-Link	Performance Line	16	N	Y

Power Supplies

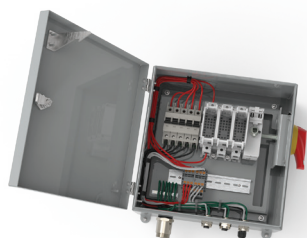
IP67 Power



Material ID	Part Number	Input	Input Voltage	Output Voltage	Input Connector	Output Connector	Current	Features	Build to Stock	Focus+ Program
100025928	PSU67-1P-1M-2M4-24150-IOL-F	Single phase	100-240 VAC	24-28 VDC	7/8" 3-pin	2 7/8" 4-pin	15 A	eFuse IO-Link	Y	N
100028305	PSU67-1P-1S-2L-24150-IOL-F	Single phase	100-240 VAC	24-28 VDC	M12 S-coded	2 M12 L-coded	15 A	eFuse IO-Link	Y	N
100025679	PSU67-3P-1MP-2M5-24200-F	Three phase	320-550 VAC	24-28 VDC	7/8" 4-pin	2 7/8" 5-pin	2 x 10 A	eFuse	Y	N
100025929	PSU67-3P-1S-2L-24250-IOL-F	Three phase	320-550 VAC	24-28 VDC	M12 S-coded	2 M12 L-coded	25 A	eFuse IO-Link	Y	N

Power Stations

AC & DC Versions



Part Number	Input Power	Disconnect/ Interrupter	Output Power	Number of Outputs	Output Rating	Display	Controls I/O	Build to Stock	Focus+ Program
ACPD12-E11P5	120 VAC	Included, Rated at 30 A	120 VAC	Qty 5, Single Pole Circuits	1 ea 6 A, 2 ea 10 A, 2 ea 4 A	None	None	N	N
ACPD48-E13P3	480 VAC	Included, Rated at 30 A	480 VAC	Qty 2, Three Pole Circuits	1 ea 10 A, 1 ea 5 A	None	None	N	N
DCPD24-E1D04-IOL	120 VAC	None	24 VDC	Qty 4, 24 VDC	1 to 10 A ea, 20 A Max Total	4 inch	Ethernet In, Ethernet Out, Qty 3, IOL v1.1 Class A	N	N

*Additional variants are available upon request

TURCK

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