TURCK

Your Global Automation Partner

Focus+ for Process Automation Overview

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Program Introduction

Focus+ for Process Automation –
Where the Focus is on Reliability for Demanding Environments

In process automation, uptime isn't a goal, it's a requirement for mission-critical applications. No matter if you are in the pharmaceutical industry, oil and gas, chemical or the energy field, Turck understands that product reliability and consistent availability are vital to keeping lines running, maintaining safety and supporting continuous operations. Whether you're a machine builder or maintaining a multi-site facility, Turck's Focus+ Program for PA is built to help you standardize on proven solutions that are ready when you need them.

What is the Focus+ Program for Process Automation?
Our focus is simple: maintain dependable access to the products you rely on most to keep operations safe, compliant and productive. Like the initial Focus+ Program rollout, the new Focus+ for Process Automation Program is a curated mix of products designed for the demands of process automation. This highly managed stocking program comes with a commitment from Turck to ensure reliable product availability and timely replenishment.

If you can't find what you are looking for here, Turck offers a wide range of other rugged automation products. Just reach out to your local Turck distributor to learn about our breadth of solutions. Availability may vary.

Benefits:
- Creates more reliability and stability around available products
- Ensures restocking based on demand, minimizing disruption
- Focuses on solutions that are ready to be shipped quickly
- Meets the needs of a wide range of applications
- Partners with our distributors to ensure a healthy ready-to-ship inventory
- Provides minimal lead times

Minifast Connectivity

Minifast Straight Cordsets - Black or Blue Extremelife-60 or Blue PVC Jacket/Black Plug Body

Minifast cordsets and receptacles come with a 7/8", 1" or 1 1/8" connector and are ideal for for rugged instrumentation applications in hazardous locations or unclassified locations. This selection of Focus+ for Process Automation cordsets offers Extremelife-60 or PVC jackets with multiple approvals (Tray rated, Exposed Run, CIC, Marine Shipboard, IEEE 1580, IEC 60332-3-22, Oil Res I/II, Cold Impact/Bend) to provide solutions for indoor and outdoor process automation and industrial environments. Extremelife-60 cables are suitable for extreme temperature environments down to -60 °C. A variety of commonly used lengths makes selection easy. Female or extension cordsets provide installation flexibility. Custom cordset and receptacle solutions are available upon request.

- 4, 6, 10, or 19-pin
- Female or extension versions
- Black or Blue Extremelife-60 cable jacket, or Blue PVC cable jacket
- Stainless steel coulping nuts
- 18 AWG and 22 AWG wire options
- Rated for up to 9 A, 600 V (5 A, 150 V for hazardous location installations)
- NEMA 1, 3, 4, 4X, 6P, 12 and IEC IP67, IP68, IP69, IP69K

Material ID	Part Number	Connector Size	Pin Count	Cable Length	Gender	Orientation	Cable Type
U-47569	P-RSV RKV 40-335-10M	7/8"-16UN	4-pin	10 m	Extension	Straight	PVC/Blue
U-08675	P-RSV RKV 40-335-15M	7/8"-16UN	4-pin	15 m	Extension	Straight	PVC/Blue
UX02132	P-RSV RKV 40-335-25M	7/8"-16UN	4-pin	25 m	Extension	Straight	PVC/Blue
U-90330	P-RSV RKV 40-1188XL-1M	7/8"-16UN	4-pin	1 m	Extension	Straight	EX60/Black
U-82153	P-RSV RKV 40-1188XL-2M	7/8"-16UN	4-pin	2 m	Extension	Straight	EX60/Black
U-82154	P-RSV RKV 40-1188XL-5M	7/8"-16UN	4-pin	5 m	Extension	Straight	EX60/Black
U-82155	P-RSV RKV 40-1188XL-10M	7/8"-16UN	4-pin	10 m	Extension	Straight	EX60/Black
U-90331	P-RSV RKV 40-1188XL-15M	7/8"-16UN	4-pin	15 m	Extension	Straight	EX60/Black
U-88731	P-RSV RKV 66-2176XL-1M	7/8"-16UN	6-pin	1 m	Extension	Straight	EX60/Black
U-82190	P-RSV RKV 66-2176XL-2M	7/8"-16UN	6-pin	2 m	Extension	Straight	EX60/Black
U-82191	P-RSV RKV 66-2176XL-5M	7/8"-16UN	6-pin	5 m	Extension	Straight	EX60/Black
U-82192	P-RSV RKV 66-2176XL-10M	7/8"-16UN	6-pin	10 m	Extension	Straight	EX60/Black
U-90336	P-RSV RKV 66-2176XL-15M	7/8"-16UN	6-pin	15 m	Extension	Straight	EX60/Black
U-82205	P-RSV RKV 101-1189XL-5M	1 1/8"-16UN	10-pin	5 m	Extension	Straight	EX60/Black
U-82206	P-RSV RKV 101-1189XL-10M	1 1/8"-16UN	10-pin	10 m	Extension	Straight	EX60/Black
U-84437	P-RSV RKV 101-1189XL-15M	1 1/8"-16UN	10-pin	15 m	Extension	Straight	EX60/Black
U-87524	P-RSV RKV 190-1484XL-6M	1 1/8"-16UN	19-pin	6 m	Extension	Straight	EX60/Black

Minifast Connectivity

Minifast Straight Cordsets - Black or Blue Extremelife-60 or Blue PVC Jacket/Black Plug Body (continued)

Material ID	Part Number	Connector Size	Pin Count	Cable Length	Gender	Orientation	Cable Type
U-82216	P-RSV RKV 190-1484XL-10M	1 1/8"-16UN	19-pin	10 m	Extension	Straight	EX60/Black
UX06860	P-RSV RKV 190-1484XL-12M	1 1/8"-16UN	19-pin	12 m	Extension	Straight	EX60/Black
U-85837	P-RSV RKV 190-1484XL-15M	1 1/8"-16UN	19-pin	15 m	Extension	Straight	EX60/Black
U-90332	P-RSV RKV 190-1484XL-20M	1 1/8"-16UN	19-pin	20 m	Extension	Straight	EX60/Black
UX07384	P-RSV RKV 190-1484XL-24M	1 1/8"-16UN	19-pin	24 m	Extension	Straight	EX60/Black
U-89016	P-RSV RKV 190-1484XL-150M	1 1/8"-16UN	19-pin	150 m	Extension	Straight	EX60/Black
200004564	P-RKV 190-2168XL-100M	1 1/8"-16UN	19-pin	100 m	Female	Straight	EX60/Blue

Minifast Straight Cordsets - Black Extremelife-60 Jacket/Stainless Steel Body

- 4, 6, or 8-pin
- Female connectors
- ATEX/IEC Ex approved
- Black Extremelife-60 cable jacket
- Stainless steel coupling nut and body
- 18 AWG wires
- Rated for up to 9 A, 600 V (5 A, 150 V for hazardous location installations)
- NEMA 1, 3, 4, 4X, 6P, 12 and IEC IP67, IP68, IP69, IP69K

Material ID	Part Number	Connector Size	Pin Count	Cable Length	Gender	Orientation	Cable Length
UX13199	P-X-RKVZ 40-1188XL-25M	7/8"-16UN	4-pin	25 m	Female	Straight	EX60/Black
100016555	P-X-RKVZ 66-2176XL-25M	7/8"-16UN	6-pin	25 m	Female	Straight	EX60/Black
100016556	P-X-RKVZ 80-1158XL-25M	1"-16UN	8-pin	25 m	Female	Straight	EX60/Black

Minifast Connectivity

Minifast Receptacles

- 4, 6, 8, 10 or 19-pin
- Male or female versions
- 18 AWG or 22 AWG wires
- Rated for up to 9 A, 600 V
- NEMA 1, 3, 4, 4X, 6P, 12 and IEC IP67, IP68, IP69, IP69K

Material ID	Part Number	Connector Size	Pin Count	Lead Length	Gender	Mounting Thread
U-85425	P-RKFV 40D-3/M20	7/8"-16UN	4-pin	3 m	Female	M20x1.5
U-08738	P-RKFV 40D-3/14.5/NPT	7/8"-16UN	4-pin	3 m	Female	1/2-14NPT
U2-05021	P-RKFV 40D EX-0.3/14.5/NPT	7/8"-16UN	4-pin	0.3 m	Female	1/2-14NPT
U-19652	P-RKFV 40D EX-1/14.5/NPT	7/8"-16UN	4-pin	1 m	Female	1/2-14NPT
U-13747	P-RKFV 40D EX-3/14.5/NPT	7/8"-16UN	4-pin	3 m	Female	1/2-14NPT
U0941-98	P-RSFV 40 EX-0.3/14.5/NPT	7/8"-16UN	4-pin	0.3 m	Male	1/2-14NPT
U-09285	P-RSFV 40D-0.5/M20	7/8"-16UN	4-pin	0.5 m	Male	M20x1.5
U0988-76	P-RSFV 40D EX-0.3/14.5/NPT	7/8"-16UN	4-pin	0.3 m	Male	1/2-14NPT
U0958-86	P-RSFV 40D EX-0.5/14.5/NPT	7/8"-16UN	4-pin	0.5 m	Male	1/2-14NPT
U2-04930	P-RSFV 40D EX-1/14.5/NPT	7/8"-16UN	4-pin	1 m	Male	1/2-14NPT
200010490	P-RKFV 60D-3/M20	7/8"-16UN	6-pin	3 m	Female	M20x1.5
U-48913	P-RKFV 60D EX-3/14.5/NPT	7/8"-16UN	6-pin	3 m	Female	1/2-14NPT
UX12456	P-RKFV 66D-3/M20	7/8"-16UN	6-pin	3 m	Female	M20x1.5
U2-10114	P-RKFV 66 EX-0.3/14.5/NPT	7/8"-16UN	6-pin	0.3 m	Female	1/2-14NPT
U-38774	P-RKFV 66 EX-1/14.5/NPT	7/8"-16UN	6-pin	1 m	Female	1/2-14NPT
U-76244	P-RKFV 66D EX-1/14.5/NPT	7/8"-16UN	6-pin	1 m	Female	1/2-14NPT
U-84921	P-RKFV 66D EX-3/14.5/NPT	7/8"-16UN	6-pin	3 m	Female	1/2-14NPT
200010501	P-RSFV 60D EX-1/14.5/NPT	7/8"-16UN	6-pin	1 m	Male	1/2-14NPT
U-32139	P-RSFV 66D EX-0.3/14.5/NPT	7/8"-16UN	6-pin	0.3 m	Male	1/2-14NPT
U-48868	P-RSFV 66D EX-1/14.5/NPT	7/8"-16UN	6-pin	1 m	Male	1/2-14NPT
U-75965	P-RSFV 80 EX-1/14.75/NPT	1"-16UN	8-pin	1 m	Male	3/4-14NPT
U-43601	P-RKFV 101 EX-3/14.75/NPT	1 1/8"-16UN	10-pin	3 m	Female	3/4-14NPT
UX19244	P-RKFV 101-3/M20	1 1/8"-16UN	10-pin	3 m	Female	M20x1.5
U-38345	P-RKFV 101-3/14.5/NPT	1 1/8"-16UN	10-pin	3 m	Female	1/2-14NPT
U-84602	P-RSFV 101 EX-1/14.75/NPT	1 1/8"-16UN	10-pin	1 m	Male	3/4-14NPT
UX06594	P-RKFV 190-3/M20	1 1/8"-16UN	19-pin	3 m	Female	M20x1.5
U-86929	P-RKFV 190-3/14.5/NPT	1 1/8"-16UN	19-pin	3 m	Female	1/2-14NPT
U-87083	P-RSFV 190-3/14.5/NPT	1 1/8"-16UN	19-pin	3 m	Male	1/2-14NPT
UX15663	P-RSFV 190-3/M20	1 1/8"-16UN	19-pin	3 m	Male	M20x1.5

Minifast Connectivity

Minifast Junction Box

- Consolidate 2-wire analog or HART control circuits
- 4 or 8 ports
- 4 or 6-pin port connectors
- 10 or 19-pin homerun connectors
- Rated for up to 8 A, 300 V
- IEC IP67

Material ID	Part Number	Number of Ports	Port Pin Count	Home Run Connector Size	Home Run Connector Pin Count
U2-04198	P-4 RKFV 40-RSFV100	4-port	4-pin	1 1/8"-16UN	10-pin
U2-21528	P-4 RKFV 66-RSFV19	4-port	6-pin	1 1/8"-16UN	19-pin
U3-10842	P-8 RKFV 40-RSFV190	8-port	4-pin	1 1/8"-16UN	19-pin

Minifast Accessories

- Nylon Lokfast guards for connectors (required in CI D2 installation)
- For 7/8", 1", and 1 1/8" male or female connectors
- Stainless steel closure caps for male and female connectors
- Attached stainless steel lanyard with loop

Material ID	Part Number	Accessory Type
A9105	LOCK-MINI	Lockout Device for 7/8"-16UN Connectors
A0939	LOCK-MINI-B&C	Lockout Device for 1 1/8"-16UN Connectors
U0876-80	RKMV-CC	Closure Cap for Male 7/8"-16UN Connector
U0876-79	RSMV-CC	Closure Cap for Female 7/8"-16UN Connector
U0923-22	RKMCV-CC	Closure Cap for Female 1 1/8"-16UN Connector
U0923-27	RSMCV-CC	Closure Cap for Male 1 1/8"-16UN Connector

Powerfast Connectivity

1 3/8" D-Size Powerfast Straight Cordsets - Black TPE Jacket/Black Plug Body

D-Size process Powerfast products offer a quick disconnect method of power distribution in Class I Division 2 locations. This product offering in the Focus+ for Process Automation Program utilizes Tray Rated, Exposed Run cable that comes with the STOOW rating, allowing for use in rough or rugged locations. D-Size Powerfast is capable of handling up to 40 amps, 600 volts, and offers IEC IP67, IP68 and IP69k protection ratings.

- 3 or 4-pin
- Black TPE cable jacket
- Stainless steel coupling nuts
- 10 & 14 AWG wire options
- Rated for up to 40 A, 600 V
- NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69, IP69K

Material ID	Part Number	Pin Count	Wire Gauge Size	Cable Length	Gender	Orientation	Cable Type
100030441	P-PWR-GKDV 30-1667-30M	3-pin	10 AWG	30 m	Female	Straight	TPE/Black
100013429	P-PWR-GSDV GKDV 44-1672-10M	4-pin	14 AWG	10 m	Extension	Straight	TPE/Black

Powerfast Connectivity

1 3/8" D-Size Powerfast Front Mount Receptacles

- 3 or 4-pin
- Stainless steel housings
- Robust explosion proof (EX) receptacles allowed for use with explosion proof equipment
- 10 & 14 AWG wire options
- Rated for up to 40 A, 600 V
- NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69, IP69K

Material ID	Part Number	Pin Count	Wire Gauge Size	Lead Length	Gender	Mounting Style	Mounting Thread
UX05140	P-PWR-GSDFV 30 EX-0.5M/14.5/NPT	3-pin	10 AWG	0.5 m	Male	Front	1/2-14NPT
UX14000	P-PWR-GKDFV 44 EX-1M/14.5/NPT	4-pin	14 AWG	1 m	Female	Front	1/2-14NPT
UX05148	P-PWR-GSDFV 44 EX-0.5M/14.5/NPT	4-pin	14 AWG	0.5 m	Male	Front	1/2-14NPT

1 3/8" D-Size Powerfast Accessories

- Enables the use of quick-disconnect technology in Class I, Division 2 hazardous locations
- Eliminates access to the coupling nut, making improper disconnection impossible
- Requires tool for removal
- Warns users to disconnect power before removing

Material ID	Part Number	Accessory Type
A9744	LOCK-MINI-D	Lockout Device for 1 3/8" D-Size Power Connectors

Inductive Proximity Sensors

Inductive Sensors 12, 18 & 30 mm Barrel

Turck's Focus+ Program for Process Automation includes inductive proximity sensors in a threaded barrel housing. Ideal for detecting metal targets, inductive sensors from Turck are built to last even in the harsh environments found in heavy industrial plants and factories. Get improved sensing performance and a long service life with these popular sensors.

- 2 mm – 10 mm sensing distance, depending on variant
- Y1 versions are FM and ATEX approved
- S1751 versions are FM approved

Material ID	Part Number	Body Style	Sensing Range	Operating Voltage	Output	Operating Temperature Range	Special Features	Mating Cordset	Stocked Length (meters)
4010201	BI2-EM12-Y1X-H1141	12 mm Barrel	2 mm	8.2 VDC nominal	2 wire Namur	-25 to +70 °C	Embeddable, FM and ATEX approved	RKV 4.21T-*	5, 10
4015202	BI5-EM18-Y1X-H1141	18 mm Barrel	5 mm	8.2 VDC nominal	2 wire Namur	-25 to +70 °C	Embeddable, FM and ATEX approved	RKV 4.21T-*	5, 10
4020205	BI10-EM30-Y1X-H1141	30 mm Barrel	10 mm	8.2 VDC nominal	2 wire Namur	-25 to +70 °C	Embeddable, FM and ATEX approved	RKV 4.21T-*	5, 10
4607075	BI4-M12-AP6X-H1141/S1751	12 mm Barrel	4 mm	10-30 VDC	3 wire DC, PNP	-25 to +70 °C	Embeddable, FM approved	P-RKG 4.41T-698-*	5, 10
4615078	BI8-M18-AP6X-H1141/S1751	18 mm Barrel	8 mm	10-30 VDC	3 wire DC, PNP	-25 to +70 °C	Embeddable, FM approved	P-RKG 4.41T-698-*	5, 10

Fieldbus Solutions

Interface Modules

Turck has included some of its IMX12 interface modules in the Focus+ Process Automation Program. The devices are crucial in process automation for safely bridging hazardous (Ex) zones and safe areas. They provide signal isolation, conversion, and protection in tight spaces, ideal for modular plants by handling intrinsically safe sensor/actuator signals (like NAMUR) for DCS/PLC systems, and enabling flexible configuration for applications such as flow, temperature and rotation monitoring, even allowing setting parameters directly in the field.

■ Space-saving, high-channel-density design (12.5 mm wide)
■ Class 1 Div 1 and Zone 2
■ Fast and precise signal processing
■ Designed for processing of switching, NAMUR, frequency, current, voltage and resistance signals

Material ID	Part Number	Description	Channels	Signal Type
7580304	IMX12-AI01-2I-2IU-HPR/24VDC	HART® Isolating Transducer	2	Analog Input
7580017	IMX12-DI01-2S-2R-PR/24VDC	Isolating Switching Amplifier with Relay Output	2	Digital Input
7580021	IMX12-DI01-2S-2T-PR/24VDC	Isolating Switching Amplifier with Transistor Output	2	Digital Input
7580610	IMX12-PS02-UI-UIR-PR/24VDC	DIN Rail Power Supply Unit for Power-Bridge Modules	-	-
7580508	IMX12-TI02-2TCURTDR-2I-CPR/24VDC	Universal Temperature Transducer with Current Output	2	Temperature Input
7580104	IMX12-DO01-2U-2U-PR/24VDC	Solenoid Driver	2	Digital Output
7580204	IMX12-FI01-1SF-1I1R-CPR/24VDC	Frequency Transducer with Current Output and Limit Value	1	Frequency Input

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