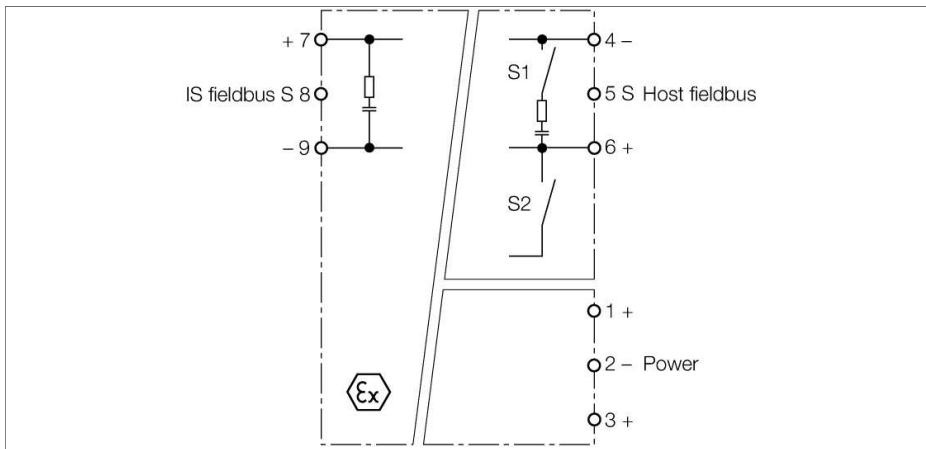


**FOUNDATION™ fieldbus
FISCO Power Supply
RPC49-10265EX**

TURCK

Industrial
Automation



The RPC49-10265EX transmits the fieldbus signal from a host to an intrinsically safe fieldbus device in the Ex area, zone 2.

The RPC49-10265EX enables integrated transmission between the host and fieldbus connections and thus allows parallel connection of several devices in the fieldbus and accordingly a higher number of field devices in the segment.

Designed to operate in harsh environments and suitable for installation in zone 2, the TURCK power supply RPC49-10265EX expands the boundaries for fieldbus topologies.

The RPC49-10265EX provides up to 265 mA, powering field devices in the Ex area of the Gas Group IIB. The device is mounted on DIN rail. It is designed to exploit the very latest developments of the FISCO specification (Fieldbus Intrinsically Safe Concept) concerning the application in explosion hazardous areas. To reap the full potential of digital fieldbus communication without system inherent constraints is thus possible.

The excellent performance and flexibility of the RPC49-10265EX makes it easy to install, mount and maintain fieldbus networks in compliance with the 31.25 kbits/s physical layer specification. Moreover, compatibility with the TURCK wiring components and accessories ensures high reliability, low installation costs and high operational safety.

Power supply to the host is procured via a switch making additional power sources needless.

- **FISCO compliant according to IEC TS 60079-27**
- **Protection type: [EEx ib] IIB**
- **mounting possible in zone 2**
- **FISCO power supply for FOUNDATION™ fieldbus**
- **Output current: 265 mA**
- **Fieldbus - Repeater**
- **Temperature range: -40 ...+70°C**

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Type code	RPC49-10265EX
Ident no.	6604158
Operating voltage range	19.2...30 VDC
Current consumption	380 mA (typ.) 495 mA (max.) at 20 V 315 mA (typ.) 410 mA (max.) at 24 V 255 mA (typ.) 330 mA (max.) at 30 V
Galvanic separation	Input circuit to output circuits and supply voltage 250 V _{eff}
Output circuits	
Output current	≤ 265 mA
Output voltage	13.1 VDC
Short-circuit protection	≤ 285mA
Indication	
Operational readiness	1 x green
Short-circuit message	1 x red
Bus communication	2 x yellow
Ex approval acc. to conformity certificate	BASEEFA 05 ATEX 0127
FISCO parameter acc. to IEC 60079-11	
Max. output voltage U _o	≤ 14.8 V
Max. output current I _o	≤ 359 mA
Max. output power P _o	≤ 5310 mW
External inductance/capacitance L _o /C _o	550 μH / 0.5 μF
Device designation	Ⓔ II (2) GD [EEx ib] IIB Ⓔ II 3 G EEx nA II T4 X FISCO Power Supply
Electrical connection	3 x 3-pole removable terminal blocks, reverse polarity protected, screw connection or tension spring
Terminal cross-section	2.5 mm ²
Protection class	IP20
Ambient temperature	-40...+70 °C
Housing material	Plastic
Housing color	black/yellow
Dimensions	42x 166x 137.5 mm
Connection mode	snap-fit on DIN rail (DIN 60715)

Dimensions

