



UR20 Power-Feed Modules

UR20-PF-I

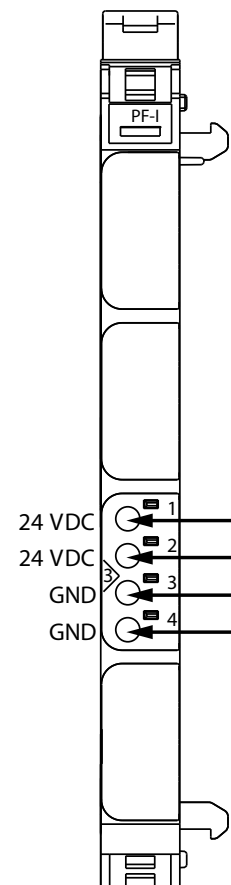
Power-feed modules are used to refresh the current paths and isolate the power supply. The UR20 station's main power supply is always fed in via the coupler. A power-feed module [UR20-PF-I](#) must be connected if the current demand of the series of input modules is greater than 10A.

- The maximum feed-in current in the input current path via the 4-pole connector is 10A.
- Power-feed modules are passive modules without fieldbus communication, therefore they are not considered during configuration.
- In a UR20 station, a maximum of three passive modules may be installed directly behind each other, then an active module must follow.
- Any number of passive modules can be placed behind the last active module.
- Passive modules are the power-feed module and the empty slot module.



Technical Specifications - UR20-PF-I	
Price	\$57.00
Drawing	PDF
Supply	
Supply voltage for input modules	24 VDC +20% / -15%
Maximum feed-in current for input modules	10A
Current consumption from input current path I_{IN}	10 mA
Weight	
Weight (operational status)	76g

Terminal Connections





UR20 Power-Feed Modules

UR20-PF-O

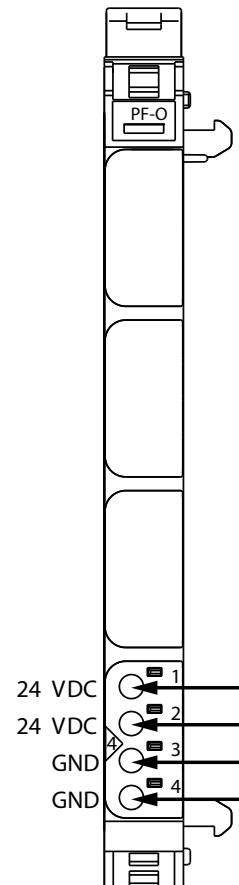
Power-feed modules are used to refresh the current paths and isolate the power supply. The UR20 station's main power supply is always fed in via the coupler. A power-feed module **UR20-PF-O** must be connected if the current demand of the series of output modules is greater than 10A.

- The maximum feed-in current in the output current path via the 4-pole connector is 10A.
- Power-feed modules are passive modules without fieldbus communication, therefore they are not considered during configuration.
- In a UR20 station, a maximum of three passive modules may be installed directly behind each other, then an active module must follow.
- Any number of passive modules can be placed behind the last active module.
- Passive modules are the power-feed module and the empty slot module.



Technical Specifications - UR20-PF-O	
Price	\$57.00
Drawing	PDF
Supply	
Supply voltage for output modules	24 VDC +20% / -15%
Maximum feed-in current for output modules	10A
Current consumption from output current path I_{OUT}	10 mA
Weight	
Weight (operational status)	76g

Terminal Connections





UR20 Module Specifications

Environmental Specifications - UR20 I/O Modules		
Degree of protection (IEC 60529)		IP20
Flammability rating UL 94		V-0
Material of power contacts and data contacts		Ni-Au, 3µm
Temperature	Operation	-20 + 60 °C [-4 to +140 °F]
	Storage, transport	-40 to +85 °C [-40 to +185 °F]
Humidity	Operation	95%, non-condensing as per IEC 61131-2
	Storage, transport	95%, non-condensing as per IEC 61131-2
Air pressure	Operation	≥ 795 hPa [11.5 psi] (altitude ≤ 2000 m) as per IEC 61131-2
	Storage, transport	≥ 700 hPa [10.2 psi] (altitude ≤ 3000 m) as per IEC 61131-2
Vibration resistance		5 Hz ≤ f ≤ 8.4 Hz: 3.5mm amplitude as per IEC 60068-2-6 8.4 Hz ≤ f ≤ 150 Hz: 1g acceleration as per IEC 60068-2-6
Shock resistance		15g over 11 ms, half sinewave, as per IEC 60068-2-27
Potential isolation	Test voltage	Max. 28.8V within one channel 500 VDC field/system (as per EN 60079-15:2017)
	Pollution severity level	2 (as per DIN EN 60664-1:2008)
	Overvoltage category	II (as per DIN EN 50178)
Approvals		CE, RoHS, UKCA, cULus E141197