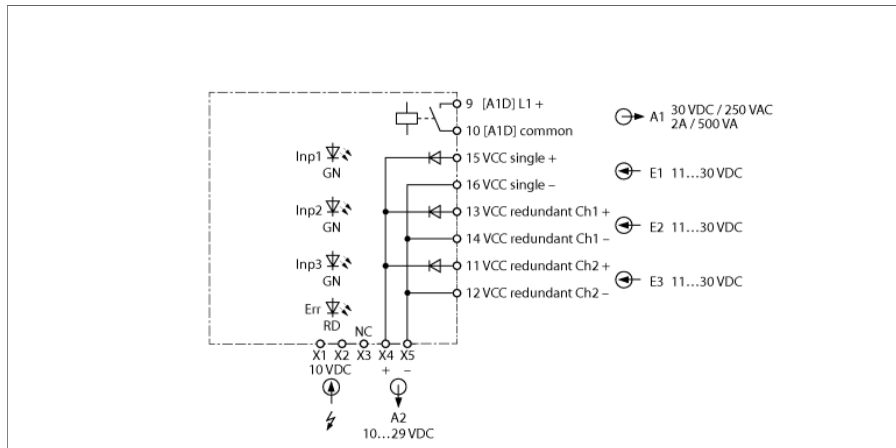


Accessories

Power Supply Module — Power-Bridge

IMX12-PS02-UI-UIR-PR/24VDC



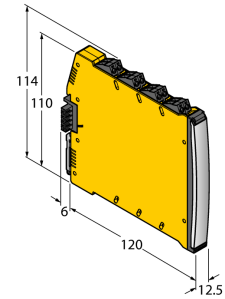
The IMX12-PS02-UI-UIR-PR/24VDC supply module feeds the IMX12 device series with power via the power bridge and transmits the collective fault signal of the connected devices. Simple and redundant supply of voltage is possible via 2 power supplies. The voltage inputs are reverse polarity protected. The device monitors the supply voltage at the inputs for over- and undervoltage. If the supply voltage is not within the required range (11...31, 16 V), the device will emit an error message. Errors are reported via an LED and the output relay (NO contact).

The device is connected via screw terminals.

The device is equipped with removable screw terminals.

- Collective fault signal via relay
- Single and redundant power supply via terminals
- Supply inputs are decoupled
- Reverse polarity protection
- Removable screw terminals
- Connector for power bridge incl. in delivery
- ATEX, IECEx, NEPSI, cUL, cFM, IN-METRO, Kosha
- Use in Zone 2

Type	IMX12-PS02-UI-UIR-PR/24VDC
ID	7580610
Nominal voltage	24 VDC / 7 A
Operating voltage U_s	11...30 VDC
Parallel mode	yes, via diodes
Important note	For Ex-applications the values specified in the corresponding Ex certificates (ATEX, IECEx, UL, etc.) apply.
Ex approval acc. to conformity certificate	EPS 16 ATEX 1052 X
Ignition protection category	II 3G Ex nA nC IIC T4 Gc
Displays/Operating elements	
Operational readiness	Green
Error indication	red



Mechanical data		
Protection class	IP20	
Flammability class acc. to UL 94	V-0	
Ambient temperature	-25...+70 °C	
Storage temperature	-40...+80 °C	
Dimensions	120 x 12.5 x 117 mm	
Weight	152 g	
Mounting instructions	DIN rail (NS35)	
Housing material	Plastic, Polycarbonate/ABS	
Electrical connection	Removable screw terminals, 2-pin	
Terminal cross-section	0.2...2.5 mm² (AWG: 24...14)	
Tightening torque	0.5 Nm	
Tightening torque	4.43 LBS-Inch	
Environmental conditions	Operating height	Up to 2000 m above sea level
	Pollution degree	II
	Surge/Overvoltage category	II (EN 61010-1)
	Standards used	
	Voltage resistance and insulation	
		EN 50178
		EN 61010-1
		EN 50155
		GL VI-7-2
	Shock	
		EN 61373 class B
		EN 50155
		GL VI-7-2
		EN 60068-2-6
		EN 60068-2-27
	Temperature	
		EN 60068-2-1 Ad
		EN 50155
		GL VI-7-2
		EN 60068-2-2 Bd
		EN 60068-2-1
	Air humidity	
		EN 60068-2-38
	EMC	
		EN 50155
		GL VI-7-2
		NE21
		EN 61326-1
		EN 61326-3-1
		EN 61000-4-2
		EN 61000-4-3
		EN 61000-4-4
		EN 61000-4-5
		EN 61000-4-6
		EN 61000-4-11
		EN 61000-4-29
		EN 55011
		EN 55016
		EN 50121-3-2
		EN 61000-6-2

Accessories

Type code	Ident-No.		Dimension drawing
IMX12-SC-2X-4BK	7580940	Screw terminals for IM(X)12 modules; included in delivery: 4 pcs. of 2-pin black terminals	
IMX12-SC-2X-4BU	7580941	Screw terminals for IM(X) 12 modules; included in delivery: 4 pcs. of 2-pin blue terminals	
IMX12-CC-2X-4BK	7580942	Spring terminals for IM(X)12 modules; included in delivery: 4 pcs. black terminals, 2-pin	
IMX12-CC-2X-4BU	7580943	Spring terminals for IM(X)12 modules; included in delivery: 4 pcs. blue terminals, 2-pin	