

Universal Power Rail

UPR-03-S

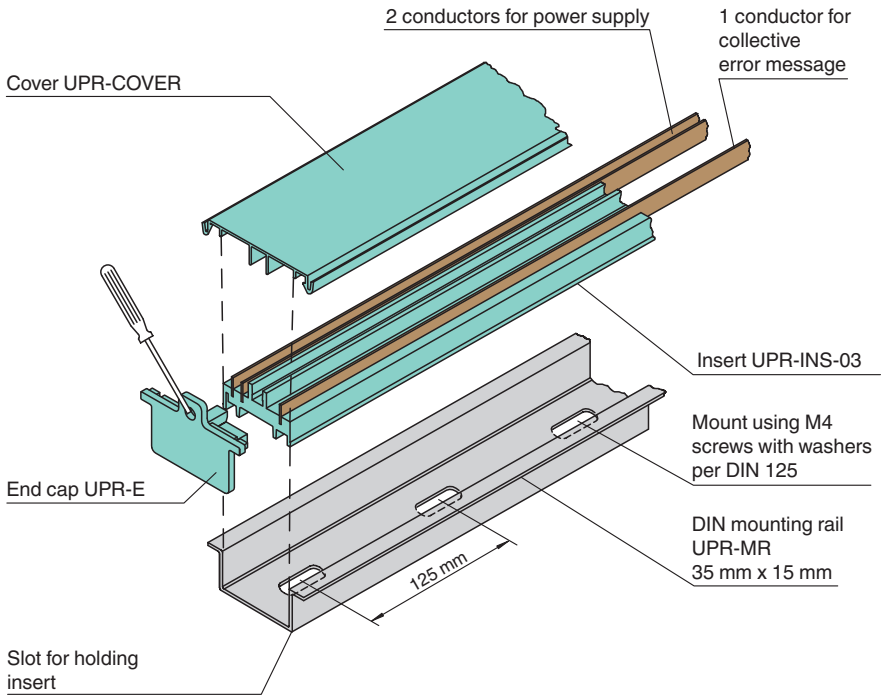
- 35 mm DIN mounting rail with 3-conductor insert
- Provides DC supply voltage to all equipped K-System modules
- Standard length 0.8 m (2.6 ft), simple to customize to application space
- Eliminates daisy-chains

Universal Power Rail with end caps and cover, 3 conductors, length: 0.8 m

Function

The Power Rail consists of a DIN mounting rail UPR-MR and a insert UPR-INS-03.
The component has two conductors for power and one conductor for collective error messaging.
The component reduces wiring and maintenance costs because it eliminates the need to daisy-chain the wires. It also simplifies expansion – just snap in a new isolator when you're ready to expand a system.
The component comes in 0.8 m segments but can be cut to any size.
The Power Rail is delivered with two UPR-E end caps and UPR-COVER cover. All components of the Power Rail can be ordered separately.
In conjunction with K-System modules the component can be mounted in Zone 2.

Assembly



Technical Data

Electrical specifications		
Rated voltage	U_r	24 V DC
Rated current	I_r	4 A

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Technical Data

Ambient conditions	
Ambient temperature	-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications	
Connection	3 conductors
Supply	2 Conductors
Fault output	1 Conductors
Dimensions	35 x 15 x 800 mm (1.4 x 0.6 x 31.5 inch)
General information	
Scope of delivery	- DIN mounting rail UPR-MR - insert UPR-INS-03 - cover UPR-COVER - end cap UPR-E
Accessories	
Optional accessories	- end cap UPR-E - insulation spacer UPR-I - DIN mounting rail UPR-MR - insert UPR-INS-03 - cover UPR-COVER

Matching System Components

	**KFD2-PT2-Ex1-1**	
	**KFD2-ER-1.5**	
	KFD2-HLC-Ex1.D.2W-AB	
	**KFD2-SL2-Ex1 Testdaten Ventil-App**	
	**KCD2-SR-1**	
	**KFD2-UFC-1.D**	24 V DC
	**KFD2-UFC-Ex1.D**	24 V DC
	**KCD2-SR-Ex1**	
	**KCD2-SR-Ex1.LB**	
	**KCD2-SR-Ex1.LB.SP**	
	**KCD2-SR-Ex2**	
	**KCD2-SR-Ex2.SP**	
	**KFD2-STC5-Ex1**	
	**KFD2-SR2-Ex1.W**	

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Matching System Components

	**KFD2-STV5-Ex1-1**	
	**KFD2-STC5-Ex1.H**	
	**KFD2-CD-1.32**	
	**KFD2-CD-1.32**	
	**KCD2-RR2-Ex1.SP**	
	**KCD2-SCD-Ex1.ES**	
	**KFD2-CD-Ex1.32-****	
	**KCD2-RR2-Ex1**	
	**KFD2-PT2-Ex1-Y98312**	
	**KFD2-SOT2-Ex1.LB**	
	**KFD2-RSH-1.2D.FL2**	
	**KFD2-RSH-1.2D.FL3**	
	**KFD2-RSH-1.2E.L2**	
	**KFD2-RSH-1.2E.L3**	
	**KCD2-SLD-Ex1.1045**	
	**KFD2-DU-Ex1.D**	
	**KCD2-UT2-Ex1**	Current output 0/4 mA ... 20 mA
	**KFD2-DWB-1.D**	24 V DC
	**KFD2-CRG2-Ex1.D**	
	**KFD2-SH-Ex1.T.OP**	

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Matching System Components

	**KFD2-SH-Ex1**	
	**KFD2-PT2-Ex1**	
	**KFD2-PT2-Ex1-4**	
	**KFD2-PT2-Ex1-5**	
	**KFD2-VR-Ex1.18**	Transmission range 0 V ... 12 V
	**KFD2-VR-Ex1.19**	Transmission range 0 V ... ± 10 V
	**KFD2-ER-1.6**	
	**KFD2-VM-Ex1.35.L**	Output 22.3 V
	**KFD2-PT2-Ex1-6-Y11284-4**	
	**KFD2-VR-Ex1.19-Y109129**	
	**KFD2-VR-Ex1.12**	Transmission range 0 V ... 9 V
	**KFD2-VR2-Ex1.50M**	Transmission range 0 mV ... ± 50 mV
	**KFD2-SL2-Ex1**	
	**KFD2-EB2**	Power Feed Module
	**KFD2-EB2.R4A.B**	Power feed module, redundant supply
	**KFD2-SRA-Ex4**	
	**KFD2-USC-1.D**	
	**KFD2-STC5-Ex2**	
	**KFD2-STC5-2**	Input 0/4 mA ... 20 mAOutput 0/4 mA ... 20 mA (current sink)
	**KFD2-SR2-Ex1.W.LB**	

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	**KFD2-SR2-Ex2.W**	
	**KCD2-STC-1**	Input 4 mA ... 20 mAOutput 4 mA ... 20 mA
	**KFD2-VR2-Ex1.500M**	Transmission range 0 mV ... ± 500 mV
	**KFD2-ER-Ex1.W.LB**	24 V DC
	**KFD2-ER-2.W.LB**	24 V DC
	**KFD2-ER-1.W.LB**	24 V DC
	**KFD2-SH-Ex1.T**	
	**KCD2-SR-Ex1.LB**	
	**KCD2-SR-1.LB**	
	**KCD2-SR-2**	
	**KCD2-SR-Ex2**	
	**KFD2-UFT-2.D**	24 V DC
	**KFD2-UFT-Ex2.D**	24 V DC
	**KFD2-DWB-Ex1.D**	24 V DC
	**KFD2-GUT-1.D**	
	**KFD2-GUT-Ex1.D**	
	**KCD2-SR-1.LB.SP**	
	**KCD2-SR-2.SP**	
	**KCD2-SR-Ex1.LB.SP**	
	**KCD2-SR-Ex2.SP**	

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	**KCD2-STC-1.SP**	Input 4 mA ... 20 mAOutput 4 mA ... 20 mA
	**KFD2-EB2.SP**	Power feed module with spring terminals
	**KFD2-EB2.R4A.B.SP**	Power feed module with spring terminals, redundant supply
	**KFD2-STV5-2-1**	
	**KFD2-STV5-Ex2-1**	
	**KFD2-STC5-1**	
	**KFD2-STV5-1-1**	
	**KFD2-STC5-Ex1.2O**	
	**KFD2-STC5-1.2O**	
	**KFD2-STV5-Ex1.2O-1**	
	**KFD2-STC5-Ex1.2O.H**	
	**KFD2-SLD-Ex1.13100**	
	**KFD2-UT2-1**	
	**KFD2-UT2-1-1**	Voltage output 0/1 V ... 5 V
	**KFD2-UT2-2**	
	**KFD2-UT2-2-1**	Voltage output 0/1 V ... 5 V
	**KFD2-UT2-Ex1**	Current output 0/4 mA ... 20 mA
	**KFD2-UT2-Ex1-1**	Voltage output 0/1 V ... 5 V
	**KFD2-UT2-Ex2**	Current output 0/4 mA ... 20 mA
	**KFD2-UT2-Ex2-1**	Voltage output 0/1 V ... 5 V

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Matching System Components

	**KCD2-UT2-1**	Current output 0/4 mA ... 20 mA
	**KFD2-CRG2-1.D**	
	**KFD2-HLC-Ex1.D**	
	**KFD2-HLC-Ex1.D.2W**	
	**KFD2-HLC-Ex1.D.4S**	
	**KFD2-SOT3-Ex1.LB**	
	**KFD2-SOT3-Ex2**	
	**KFD2-ST3-Ex1.LB**	24 V DC
	**KFD2-ST3-Ex2**	
	KFD2-CRG2-Ex1.D-AB	
	**KFD2-SOT3-Ex1.LB.IO**	
	**KFD2-SOT3-Ex2.IO**	
	**KFD2-SOT3-Ex2.IO-Y1**	24 V DC
	**KCD2-STC-Ex1.2O**	
	**KCD2-STC-Ex1.2O.DE**	Input 0/4 mA ... 20 mA, 2 x output 0/4 mA ... 20 mA
	**KCD2-STC-Ex1.2O.ES**	
	**KFD2-CD-Ex1.32**	
	**KFD2-GS-1.2W**	
	**KFD2-STV5-Ex2-2**	
	**KFD2-STV5-Ex1-2**	
	**KFD2-STV5-Ex1.2O-2**	

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Matching System Components

	**KFD2-CD-Ex1.32-13**	
	**KFD2-CD-Ex1.32-15**	
	**KFD2-CD-Ex1.32-2**	
	**KFD2-CD-Ex1.32-8**	
	**KFD2-SCD2-Ex1.LK**	
	**KFD2-SCD2-Ex2.LK**	
	**KCD2-STC-1.2O**	
	**KCD2-STC-1**	Input 4 mA ... 20 mAOutput 4 mA ... 20 mA
	**KCD2-STC-Ex1.SP**	
	**KCD2-STC-1.SP**	Input 4 mA ... 20 mAOutput 4 mA ... 20 mA
	**KCD2-SCD-1**	
	**KCD2-SCD-1.SP**	
	**KCD2-SCD-Ex1.SP**	
	**KCD2-STC-Ex1**	
	**KCD2-SCD-Ex1**	
	**KFD2-SH-Ex1.T.OP**	
	**KFD2-VR4-Ex1.26**	
	**KCD2-SCD-Ex1.ES.SP**	
	**KCD2-SR-1.LB**	
	**KCD2-SR-2**	

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Matching System Components

	**KCD2-SR-1.LB.SP**
	**KCD2-SR-2.SP**
	**KFD2-SH-Ex1.T**
	**KCD2-SLD-Ex1.1065**
	**KCD2-SLD-Ex1.1245**
	**KCD2-STC-Ex1.ES**
	**KCD2-STC-Ex1.ES.SP**
	**KFD2-RSH-1.2D.FL2-Y1**
	**KFD2-RSH-1.2D.FL3-Y1**
	**KFD2-RSH-1.2E.L2-Y1**
	**KFD2-RSH-1.2E.L3-Y1**

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Safety Information

Cover empty, open segments of the Power Rail. Use the supplied cover. Thereby Power Rail will be protected from pollution. The contact with electrically conductive parts on Power Rail will be prevented.

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