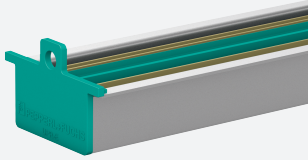


# Universal Power Rail

## UPR-03



- 35 mm DIN mounting rail with 3-conductor insert
- Provides DC supply voltage to all equipped K-System modules
- Standard length 2 m (6 foot), simple to customize to application space
- Eliminates daisy-chains

Universal Power Rail with end caps and cover, 3 conductors, length: 2 m

### Function

The Power Rail consists of a DIN mounting rail UPR-MR and a insert UPR-INS-03.

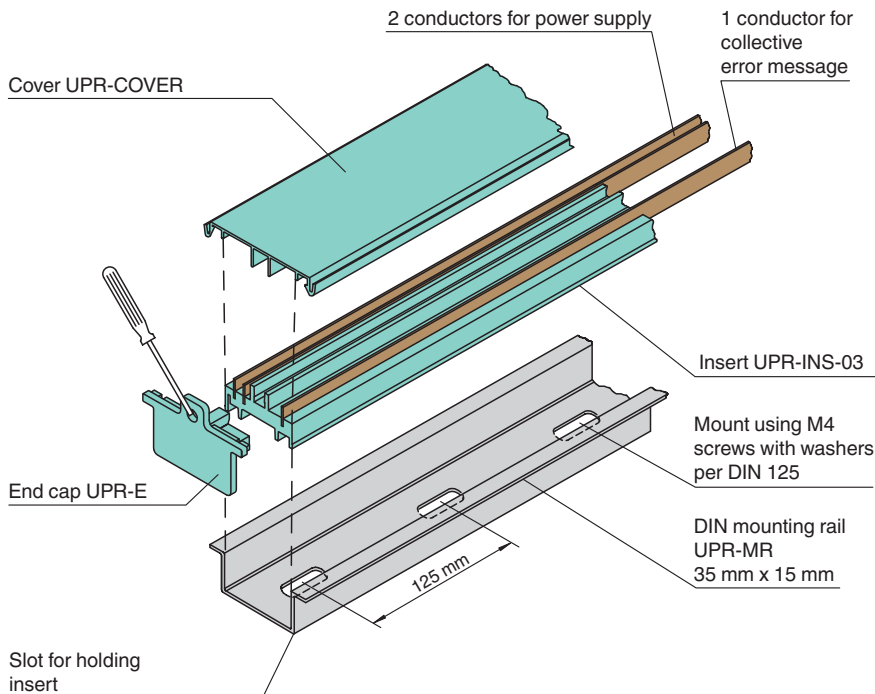
The component has two conductors for power and one conductor for collective error messaging.

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 2 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

<b>Ambient conditions</b>	
Ambient temperature	-20 ... 70 °C (-4 ... 158 °F)
<b>Mechanical specifications</b>	
Connection	3 conductors
Supply	2 Conductors
Fault output	1 Conductors
Dimensions	35 x 15 x 2000 mm (1.4 x 0.6 x 78.7 inch)
<b>General information</b>	
Scope of delivery	- DIN mounting rail UPR-MR - insert UPR-INS-03 - cover UPR-COVER - end cap UPR-E
<b>Accessories</b>	
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-SL2-Ex1 Testdaten Ventil-App
	KFD2-ER-1.5
	KFD2-HLC-Ex1.D.2W-AB
	KCD2-SR-1
	KCD2-SR-Ex1.LB.SP
	KCD2-SR-Ex2
	KCD2-SR-Ex2.SP
	KFD2-SR2-Ex1.W
	KFD2-STV5-Ex1-1
	KFD2-STC5-Ex1.H
	KFD2-CD-1.32
	KFD2-CD-1.32
	KCD2-RR2-Ex1.SP

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




**Matching System Components**

	KCD2-SCD-Ex1.ES	
	KFD2-VR4-Ex1.26	
	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-STC5-Ex1	
	KFD2-SH-Ex1.T.OP	
	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	

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**Matching System Components**

	<b>KFD2-VM-Ex1.35.L</b>	Output 22.3 V
	<b>KFD2-PT2-Ex1-6-Y11284-4</b>	
	<b>KFD2-VR-Ex1.19-Y109129</b>	
	<b>KFD2-VR-Ex1.12</b>	Transmission range 0 V ... 9 V
	<b>KFD2-VR2-Ex1.50M</b>	Transmission range 0 mV ... ± 50 mV
	<b>KFD2-SL2-Ex1</b>	
	<b>KFD2-EB2</b>	Power Feed Module
	<b>KFD2-EB2.R4A.B</b>	Power feed module, redundant supply
	<b>KFD2-SRA-Ex4</b>	
	<b>KFD2-USC-1.D</b>	
	<b>KFD2-STC5-Ex2</b>	
	<b>KFD2-STC5-2</b>	Input 0/4 mA ... 20 mA Output 0/4 mA ... 20 mA (current sink)
	<b>KFD2-SR2-Ex1.W.LB</b>	
	<b>KFD2-SR2-Ex2.W</b>	
	<b>KCD2-STC-1</b>	Input 4 mA ... 20 mA Output 4 mA ... 20 mA
	<b>KFD2-VR2-Ex1.500M</b>	Transmission range 0 mV ... ± 500 mV
	<b>KFD2-ER-Ex1.W.LB</b>	24 V DC
	<b>KFD2-ER-2.W.LB</b>	24 V DC
	<b>KFD2-ER-1.W.LB</b>	24 V DC
	<b>KFD2-SH-Ex1.T</b>	

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**Matching System Components**

	<b>KCD2-SR-Ex1.LB</b>	
	<b>KCD2-SR-1.LB</b>	
	<b>KCD2-SR-2</b>	
	<b>KCD2-SR-Ex2</b>	
	<b>KCD2-UT2-Ex1</b>	Current output 0/4 mA ... 20 mA
	<b>KFD2-UFC-1.D</b>	24 V DC
	<b>KFD2-UFC-Ex1.D</b>	24 V DC
	<b>KFD2-UFT-2.D</b>	24 V DC
	<b>KFD2-UFT-Ex2.D</b>	24 V DC
	<b>KFD2-DWB-Ex1.D</b>	24 V DC
	<b>KFD2-DWB-1.D</b>	24 V DC
	<b>KFD2-DU-Ex1.D</b>	
	<b>KFD2-GUT-1.D</b>	
	<b>KFD2-GUT-Ex1.D</b>	
	<b>KCD2-SR-1.LB.SP</b>	
	<b>KCD2-SR-2.SP</b>	
	<b>KCD2-SR-Ex1.LB.SP</b>	
	<b>KCD2-SR-Ex2.SP</b>	
	<b>KCD2-STC-1.SP</b>	Input 4 mA ... 20 mA Output 4 mA ... 20 mA
	<b>KFD2-EB2.SP</b>	Power feed module with spring terminals

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**Matching System Components**

	<b>KFD2-EB2.R4A.B.SP</b>	Power feed module with spring terminals, redundant supply
	<b>KFD2-STV5-2-1</b>	
	<b>KFD2-STV5-Ex2-1</b>	
	<b>KFD2-STC5-1</b>	
	<b>KFD2-STV5-1-1</b>	
	<b>KFD2-STC5-Ex1.20</b>	
	<b>KFD2-STC5-1.20</b>	
	<b>KFD2-STV5-Ex1.20-1</b>	
	<b>KFD2-STC5-Ex1.20.H</b>	
	<b>KFD2-SLD-Ex1.13100</b>	
	<b>KFD2-UT2-1</b>	
	<b>KFD2-UT2-1-1</b>	Voltage output 0/1 V ... 5 V
	<b>KFD2-UT2-2</b>	
	<b>KFD2-UT2-2-1</b>	Voltage output 0/1 V ... 5 V
	<b>KFD2-UT2-Ex1</b>	Current output 0/4 mA ... 20 mA
	<b>KFD2-UT2-Ex1-1</b>	Voltage output 0/1 V ... 5 V
	<b>KFD2-UT2-Ex2</b>	Current output 0/4 mA ... 20 mA
	<b>KFD2-UT2-Ex2-1</b>	Voltage output 0/1 V ... 5 V
	<b>KCD2-UT2-1</b>	Current output 0/4 mA ... 20 mA
	<b>KFD2-CRG2-Ex1.D</b>	

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










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









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**Matching System Components**

	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	
	KFD2-CD-Ex1.32-13	

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**Matching System Components**












	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-1.20	
	KCD2-STC-1	Input 4 mA ... 20 mA Output 4 mA ... 20 mA
	KCD2-STC-Ex1.SP	
	KCD2-STC-1.SP	Input 4 mA ... 20 mA Output 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	
	KCD2-SR-Ex1	
	KCD2-SCD-Ex1.ES.SP	
	KCD2-SR-1.LB	
	KCD2-SR-2	
	KCD2-SR-1.LB.SP	

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

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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.*