

Features

- Series voltage reducing module
- Removable terminals
- Polarity reversal protected
- Installation in cabinet on DIN mounting rail
- For FOUNDATION Fieldbus H1 and PROFIBUS PA

Function

Pepperl+Fuchs Segment Protectors feature a safety switch off for explosion protection at typically 31.5 V.

In rare cases the tolerances in other manufacturers' power modules in combination with very short cable lengths with little or no voltage drop lead to a switch off of the Segment Protector.

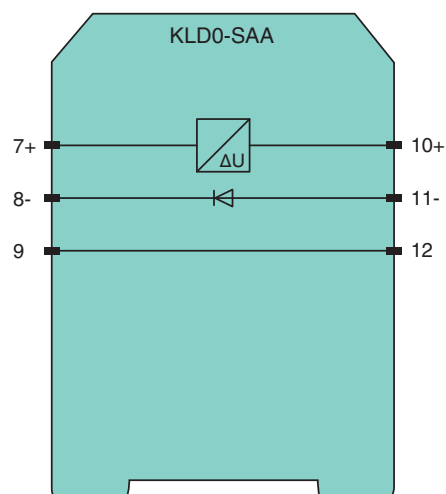
The KLD0-SAA is used to limit the voltage to uncritical values.

The KLD0-SAA is installed in close proximity to the power supply within the control cabinet.

Assembly



Connection



Fieldbus interface	
Field-side	
Connection	terminals 10+, 11-, 12S
Rated voltage	$U_{in} - U_{out}$ 0.9 ... 1.8 V
Rated current	≤ 1 A
Host-side	
Connection	terminals 7+, 8-, 9S
Rated voltage	9 ... 32 V DC
Rated current	≤ 1 A
Power loss	≤ 1.8 W
Directive conformity	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1:2006
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	< 75 %
Pollution Degree	max. 2, according to IEC 60664
Mechanical specifications	
Connection type	Terminals
Core cross-section	up to 2.5 mm ²
Housing	20 mm x 115 mm x 107 mm
Protection degree	IP20
Mass	approx. 100 g
Mounting	DIN rail mounting
Data for application in connection with Ex-areas	
Statement of conformity	Pepperl+Fuchs starting from May 2007
Group, category, type of protection	⊕ II 3 G Ex nA T4 X
General information	
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

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