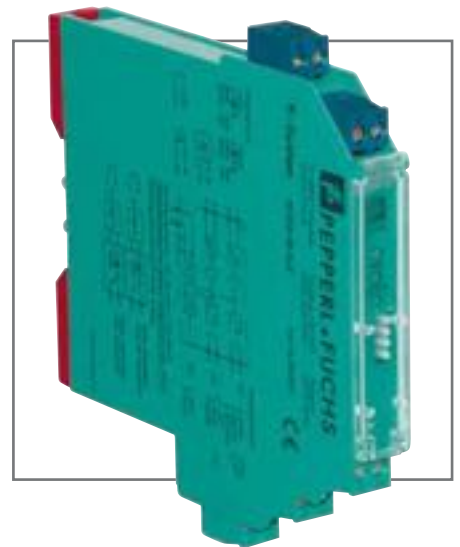




## ADDED CAPACITY, LESS SPACE KC-MODULES



# K-SYSTEM – SAME SIGNAL INTEGRITY WITH KC-MODULES

## KC-MODULES – SAME SIGNAL INTEGRITY, SMALLER FOOTPRINT

The KC-Modules are the latest generation in our family of safety isolators. Only 12.5 mm wide, these barriers can reduce cabinet space requirements by 38%. The KC-Modules offer the same benefits as the well-proven K-System, with an extensive product range and reliable signal integrity. A modern circuit design enables the compact housing. Reduced power dissipation keeps the cabinet cooler and ensures a longer life. KC-Modules barriers have intrinsically safe outputs and offer galvanic isolation.

## TWO SERIES IN THE K-SYSTEM, FUNCTIONALLY COMPATIBLE

The 12.5 mm KC-Modules have all the features of the well-proven 20 mm and 40 mm wide KF-Modules. KC-Modules can be mounted along with the KF-Modules barriers on the same Power Rail system making hazardous location applications more economical, simple to design, and easy to install.

### LABEL CARRIER

Large and visible

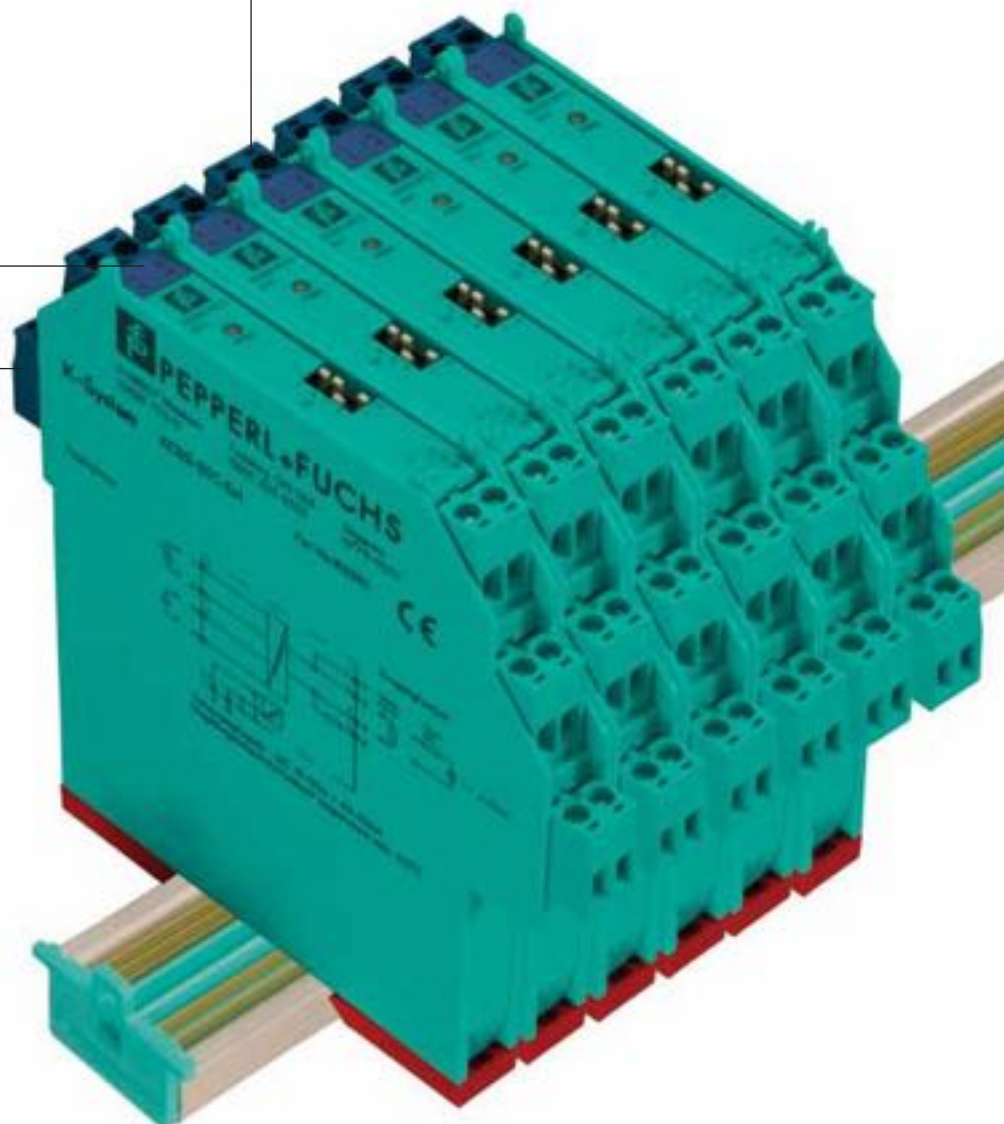


### EASY TO INSTALL

Removable terminal blocks up to 14 AWG (2.5 mm) wire size

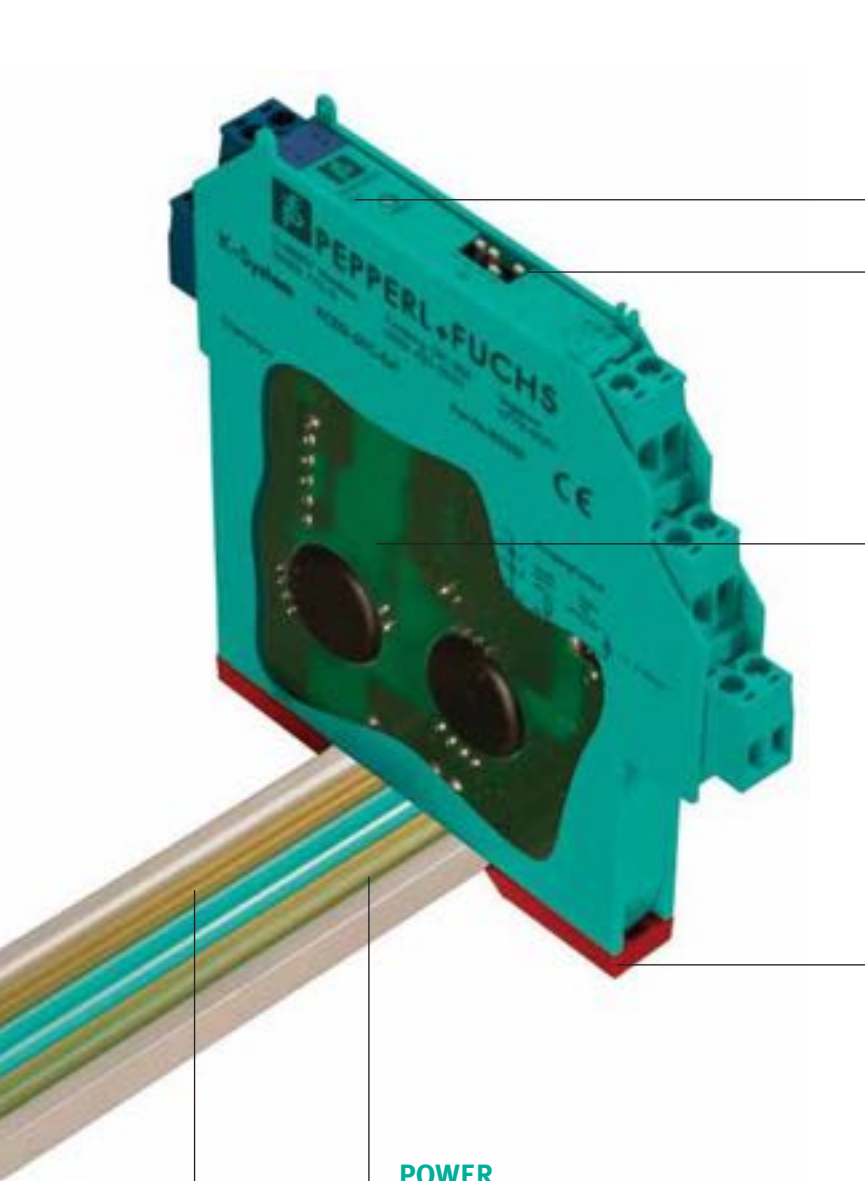
### WORLDWIDE ACCEPTANCE

Explosion protection based on worldwide certificates





# KC-MODULES – PROVEN FEATURES



### LED DISPLAY

Easily monitors device status

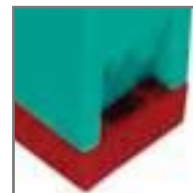


### DIP SWITCHES

Quick field configuration

### MODERN CIRCUIT DESIGN

Low power dissipation - Long life expectancy



### MOUNTING

Fix your devices fast and easy with just a click

### POWER

Fast and economical power via Power Rail or terminals

### MONITORING AND DESIGN

Collective error messaging via Power Rail

Enabled for your asset management needs



# SIL

IEC61508

OUR STANDARD

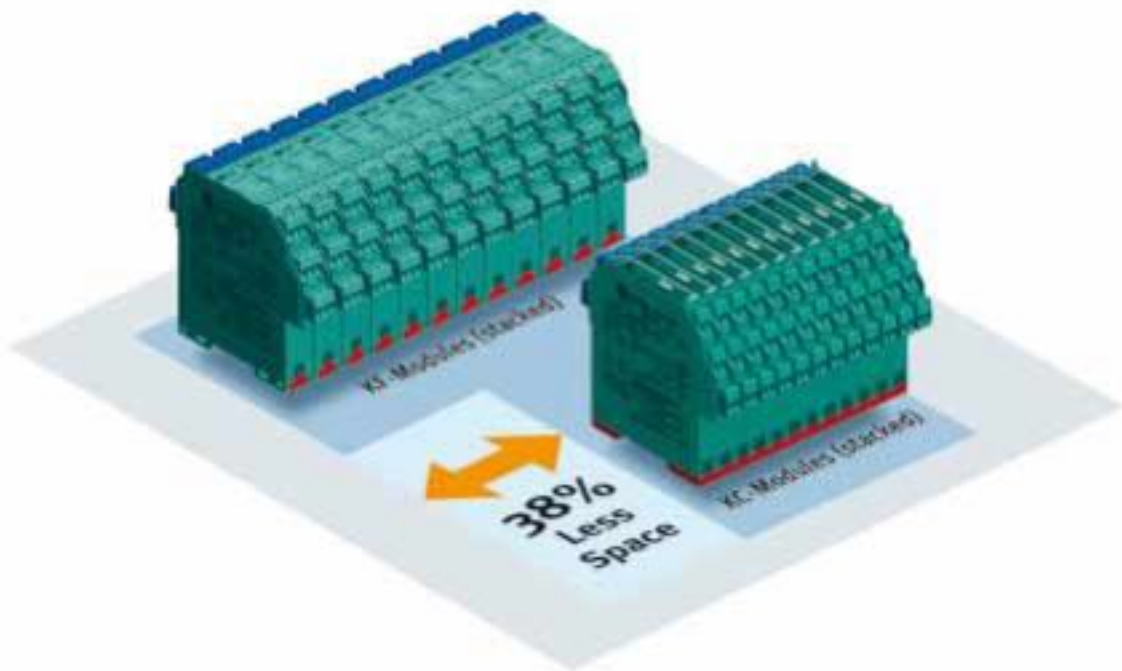
Functional safety at no additional costs

## K-SYSTEM – VISIBLE BENEFITS WITH KC-MODULES

- Compact housing; only 12.5 mm wide
- Space savings compared to competition
- Single loop integrity
- Power loss only 0.8 W per device
- Long life expectancy
- Extensive product range

### SPACE SAVINGS UP TO 38%

Compared to standard single channel isolators



**Make every third cabinet obsolete**



## KC-MODULES AND KF-MODULES – THE TEAM OF THE K-SYSTEM

- Supply voltage via Power Rail
- Collective fault signal
- Removable terminals
- Wide conductor cross section
- Standardized housing
- DIN rail mountable
- Wide product portfolio
- EX- and Non-Ex-devices



## KC-MODULES

Function		Modules	SIL2/3	HART	Fault Signal/ Powerrail	Supply/ Powerrail	Loop Powered
Isolated switch amplifier		KCD2-SR-Ex1.LB KCD2-SR-1.LB	■		■	■	
Isolated switch amplifier		KCD2-SR-Ex2 KCD2-SR-2	■		■	■	
Transmitter power supply/isolated repeater		KCD2-STC-Ex1 KCD2-STC-1	■	■		■	
Isolated switch amplifier		KCD2-SCD-Ex1 KCD2-SCD-1	■	■		■	
Solenoid driver		KCD0-SD-EX1.1245	■				■

# PROCESS AUTOMATION – PROTECTING YOUR PROCESS



For over a half century, Pepperl+Fuchs has been continually providing new concepts for the world of process automation. Our company sets standards in quality and innovative technology. We develop, produce and distribute electronic interface modules, Human-Machine Interfaces and hazardous location protection equipment on a global scale, meeting the most demanding needs of industry. Resulting from our world-wide presence and our high flexibility in production and customer service, we are able to individually offer complete solutions – wherever and whenever you need us. We are the recognized experts in our technologies – Pepperl+Fuchs has earned a strong reputation by supplying the world's largest process industry companies with the broadest line of proven components for a diverse range of applications.



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