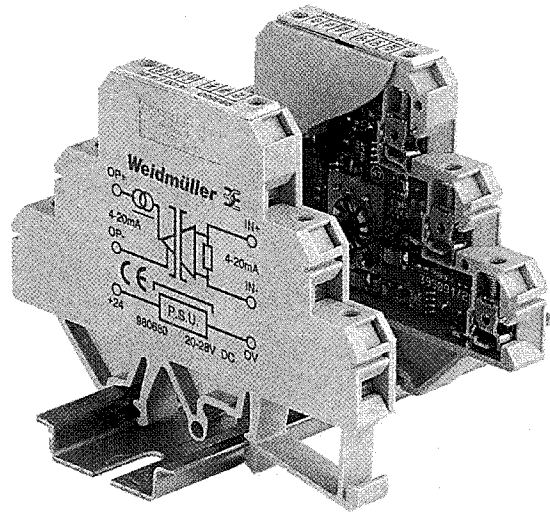


Minicoupler

**NEW**

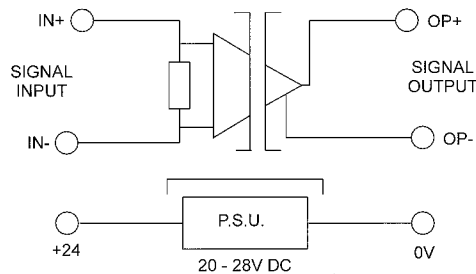
- Ultra compact design - 10mm wide
- 3-port isolation to 1000V d.c.
- Low power dissipation - 500mW typ.
- Fast response time - 1ms typ.
- Range caters for all industrial standard analogue signal interfaces
- Suitable for TS32 and TS35 DIN mounting rails

DK6 Analogue Isolators - 3 Port Isolated



Technical Data	I-I	I-V	V-I	V-V	I-I	I-V
<b>Input Ranges</b>	<b>4 - 20mA</b>	<b>4 - 20mA</b>	<b>0 - 10V</b>	<b>0 - 10V</b>	<b>0 - 20mA</b>	<b>4 - 20mA</b>
Input Resistance	50Ω typ.	50Ω typ.	500kΩ typ.	500kΩ typ.	50Ω	50Ω
Maximum Over-range	50mA	30mA	15V	15V	50mA	50mA
<b>Output Ranges</b>	<b>4 - 20mA</b>	<b>0 - 10V</b>	<b>4 - 20mA</b>	<b>0 - 10V</b>	<b>0 - 20mA</b>	<b>0 - 5V</b>
Maximum Load Resistance	500Ω	∞	500Ω	∞	500Ω	∞
Minimum Load Resistance	0Ω	1kΩ *	0Ω	1kΩ *	0Ω	1kΩ *
Clamping Level (Vsupply = 28V)	36mA typ.	14V typ.	30mA typ.	14V typ.	36mA	14V typ.
Accuracy (@ 25°C)	±0.1 % full scale					
Linearity (@ 25°C)	±0.05 % full scale					
Temperature Coefficient	±0.01% per °C					
* Short circuit protected						
<b>General</b>	20 - 28V d.c.					
Supply Voltage Range	850mW					
Power Consumption max. (Vsupply = 28V)	850mW	650mW	900mW	650mW	850mW	650mW
Isolation	1kV d.c. (input to output / supply to input / supply to output)					
Response Time (10 to 90% F.S.)	1ms typ.					
Ambient Operating Temperature	0 °C to +55 °C					
Height on rail						
TS32	72mm					
TS35 x 7.5	68mm					
TS35 x 15	75.5mm					
Width across rail x Rail length	89mm x 10mm (8mm wide without end plate)					
Conductor Size:						
Solid	0.5 - 4.0mm <sup>2</sup>					
Flexible	0.5 - 2.5mm <sup>2</sup>					
Insulation Stripping Length	7mm					
Screw Clamp Torque	See page T - 2					
EMC Compliance:						
- Emission	EN50 081-2					
- Immunity	EN50 082-2 (These units are intended for use in an enclosure)					

Circuit Diagram



Ordering Data

Cat. No.



TS32/35 Mounting

980680      980681      980682      980683      980684      980685

Accessories

- Mounting Rail
- End Plate (AP)
- Marking
- End Brackets
- Cross Connection Combs

See page A - 2  
Included  
See page A - 6, modules supplied unmarked  
See page A - 2  
See page A - 5