



Power Supply 24 Vdc/ 85 mA

Input voltage 115 V_{ac} or 230 V_{ac}

Output voltage 24 V_{dc}

3.75 kV_{ac} isolation voltage

2 Watt output power

Short circuit and overheating safety

Special output for HART® applications



Description

The power supply has galvanically separated input and output circuits.

The output circuit is protected against over-heating and short circuit of the output connectors, ensuring reliable operation under all working conditions.

The power supply is ideal for circuits demanding a stabilized and reliable, low-noise power supply.

One of the two 24 V outputs has a built-in resistance of 250 Ohms, specifically designed for supply of applications with HART® communication.



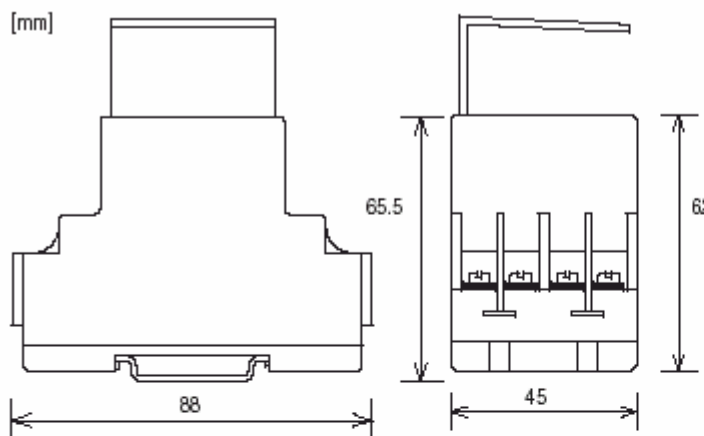
Technical Data

Input		Mechanical data	
Supply voltage	Nom. 115 V _{ac} (+/- 10%) Nom. 230 V _{ac} (+/- 10%)	Dimensions	62 x 88 x 45 mm
Frequency variation	48...62 Hz	DIN-rail mounting	DIN 46277
Output		Weight	0.210 kg
(Nominal input voltage at 25°C)		Vibrations	Lloyds Register, test 1
Output voltage	24 V _{dc} ±1 V _{dc}	Environmental conditions	
Ripple voltage	Max. 25 mV eff.	Protection class	Housing: IP 30 Terminals: IP 10
Output current	Max. 85 mA	Operating temperature	-10...60°C
I _{out} =f(U _n)	1 mA per Volt	Storage temperature	-35...85°C
I _{out} =f(T _{amb})	-0.5 mA per °C	Humidity	< 90% RH, non-condensing
Short circuit	Max. 250 mA	LVD	
Isolation voltage	3.75 kV _{ac}	73/23/EEC	
Transfer capacity	Max. 25 pF	Disposal of product and packing	
EMC		According to national laws or by returning to Bourdon-Haenni	
Immunity	EN 50082-2		
Emission	EN 50081-1		

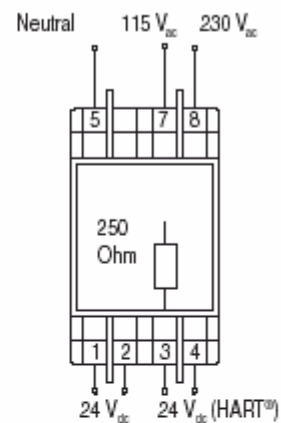
Ordering Details - Power Supply 24Vdc/85 mA

Input voltage	Output voltage	7' digit	89 13 - 31x
115 V _{ac}	24 V _{dc}		2
230 V _{ac}	24 V _{dc}		3

Dimensional Drawing



Electrical Installation



Block Diagram

