

This supply unit is allowed for the operation of 24 VDC sensors, such as vent- and flow-captors, with AC supply voltage. The supply unit contains a 24 VDC transformer rectifier and a switching circuit with output relay with potential free single pole double throw switching contact. An integrated LED plays the actual switching situation.

Housing:

Clamp housing for standard bar as per DIN 46277 and DIN EN 50022 for the installation in switch cabinets or similar.

Supply Unit Variations:

Type 8020 : For PNP-switching sensors or sensors with analog output signal. On connection of an analog signal to the input of the supply unit a switch signal is activated which controls an integrated relay when a fixed threshold of 50 % of the max. input signal is reached. This provides the possibility, when connecting flow- and vent-captors with adjustable measuring range, to vary the switching point on a large scale; e.g. for the flow-captor 4114.30 related to water at flow velocity between 10 cm/s and 100 cm/s, resp. for the vent-captor 3202.30 related to air between 50 cm/s and 25 m/s.

Type 8021 : For NPN-switching sensors. These units trigger the output relay directly from the switching output of the sensor.



Technical data

Type	8021	8020
Sensor output	NPN	PNP or Analog

Connecting data for captor

supply	9 - 36 VDC, 18 - 75 VDC, max. 125 mA, short circuit detected 85 - 264 VAC max. 230 mA	
Signal input	$U_E \text{ on} \leq 6 \text{ V}$ $U_E \text{ off} \leq 18.5 \text{ V}$	R_i approx. 500 Ω I_e limited to 15 mA threshold switch 12 mA, hysteresis $\pm 0.8 \text{ mA}$

Contact data of relay

Switching voltage max.	30 VDC/240 VAC
Switching current max.	2.5 A AC/DC

Mechanical data

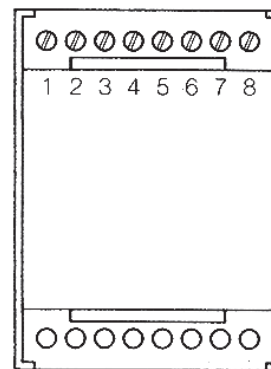
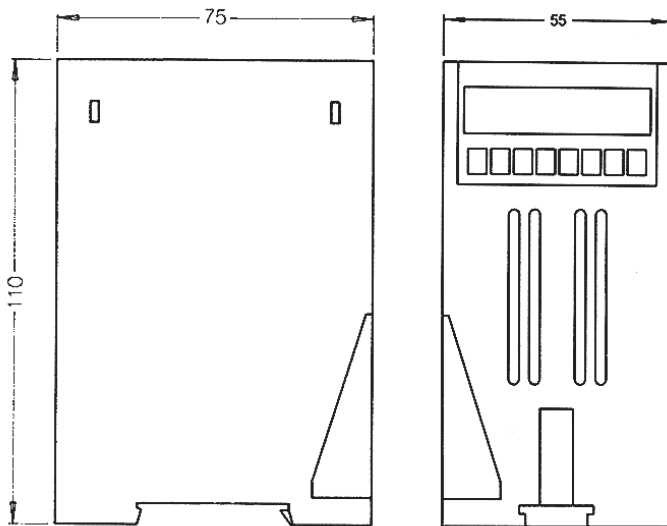
Protection standard	clamp housing IP 40* *(clamps: IP20 and contact protected accord to VDE 100 Teil 750 und VBG 4) Airgap and creepage distance according to VDE 0110 Gruppe C, 380 VE
Sizes (l x w x h) and mass	clamp housing: 55 x 75 x 110 mm, 350g

Electrical data

	9 - 36 VDC	18 - 75 VDC	85 - 264 VAC
Power consumption	max. 4W	max. 4W	max. 5,5VA

Dimensioned Drawing Type 8020, 8021

**Rapid-clamping for standard bar as per
DIN 46277 DIN EN 50022 possible**

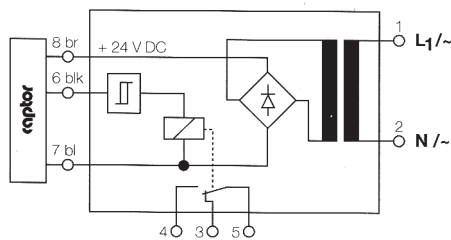


Order Description

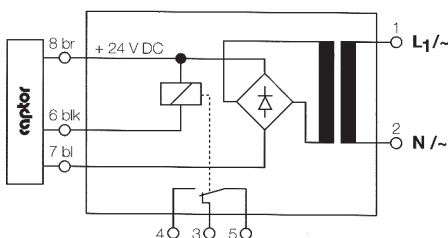
8020/ 9 - 36	VDC
8020/ 18 - 75	VDC
8020/ 85 - 264	VAC
8021/ 9 - 36	VDC
8021/ 18 - 75	VDC
8021/ 85 - 264	VAC

Prinzipschaltbilder 85 - 264 VAC

Supply unit 8020

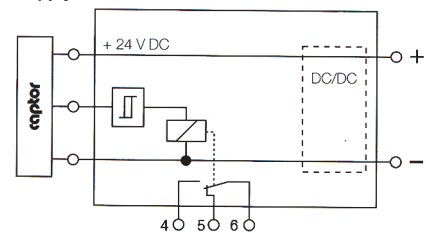


Supply unit 8021



Prinzipschaltbilder 9 - 36 VDC, 18 - 75 VDC

Supply unit 8020



Supply unit 8021

