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**ISOLATING MODUL WITH AUXILIARY POWER SUPPLY**

**Improved lightning resistant design**

- Isolation and mutual conversion of 0..20mA,4..20mA,0..10V signals
- 18 V DC power supply to power the two-wire converter via input line
- input-to-output-to-power supply isolation: 4000Vr.m.s.
- auxiliary power supply in wide range 19 to 300VDC and 90 to 250VAC
- DIN 35 rail-mounted design
- conversion accuracy: < 0.1%
- time response standard 1ms



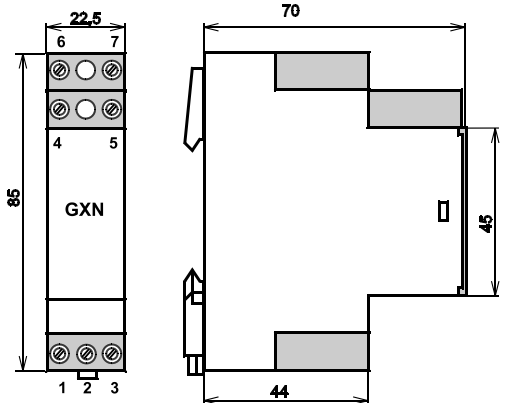
The module is designed to isolate and convert standard current or voltage ranges, namely 0..20mA, 4..20mA and 0..10V. The module also provides a 18V/20mA power supply for powering the input current loop 4-20mA. Typical, the module can be used as an supply for power and isolation for converter powered by current loop. The output of the converter is isolated from the input and the auxiliary power supply.

**The more resistant design in lightning protection. The module provides additional protection lightning arresters and wire resistors in inputs. Suitable for outdoor use.**

**Elektrical specifications:**

- operating temperature range: -25...+ 70°C
- storage temperature range: -40...+ 80°C
- auxiliary power supply standard: wide range 19 – 300VDC a 90 – 250 VAC
- special: 20 – 60VAC
- power consumption: max. 2VA
- power supply for two-wire converter: 18V for 20mA
- input signal: 0..20mA,4..20mA,0..10V
- output signal: 0..20mA, 4..20mA, 0..10V
- output voltage amplitude: min. 15V (Rz – 750ohm) at 20mA
- voltage output load: max. 10mA
- input resistance of voltage input: 1Mohm
- drop in current input: 0,54V
- output current limit: typ. 25mA (electronic cut-out)
- transfer function maximum error: < 0,1%
- linearity error: < 0,05%
- temperature induced error: < 50ppm /°C
- input to output capacity: 20pf
- time response: typ.1ms
- enclosure casing / terminal board: IP40 / IP20
- 90g
- weight:
- environment: pollution degree 2
- overvoltage category installation III

**Dimension:**



**Type test:**

Standard type test: to ČSN EN 60770-1  
EMC: to ČSN EN 61326-1  
Safety: assessed acc. to ČSN EN61010-1

**Ordering instructions:**

Your order should include:  
- module type  
- quantity  
- input and output signal  
- time response ( if it is different from 1ms )



Likvidaci po ukončení životnosti provést odděleným sběrem.  
Rawet s.r.o. je členem sdružení RETELA [www.retela.cz](http://www.retela.cz)

**Terminal connection:**

- 1...GND minus pole for input and 18V power supply
- 2...plus pole for input signal
- 3...plus pole for 18V power supply
- 4,5..output (5 is +)
- 6,7..auxiliary power supply without polarity

