



REX22D ELECTRONIC CIRCUIT PROTECTOR

Reliable DC 24 V protection even
for high current ratings

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REX22D ELECTRONIC CIRCUIT PROTECTOR

with situational current limitation

The compact and flexible REX system is an all-in-one solution offering comprehensive DC 24 V protection and distribution options for machines and process control. It helps optimise the functionality and number of components.

The new REX22D electronic over-current protection expands the REX system and combines a trip curve including situational, active linear current limitation with a slim design of only 6.25 mm per channel.

The characteristic curve of the REX22D, specifically designed for DC 24 V switch mode power supplies with low overload capacity and DC 24 V drive technology, enables effective protection for all applications.

REX22D selectively protects all DC 24 V load circuits and limits the output current linearly during ON-switching or before tripping. In the event of a short circuit the limitation cuts the leakage current to a defined value. This enables an effective and predictable protection even for switch mode power supplies with low power reserves.

In order to be able to switch on high-power loads effortlessly, the limited current can be made available situationally for a longer period of time. Thus, the electronic characteristic curve additionally provides the solution for drive engineering, control technology for frequency converters, multiphase motors and sensitive relay contacts in the „SAFETY“ area.

NEC Class2



REX22D electronic circuit protector



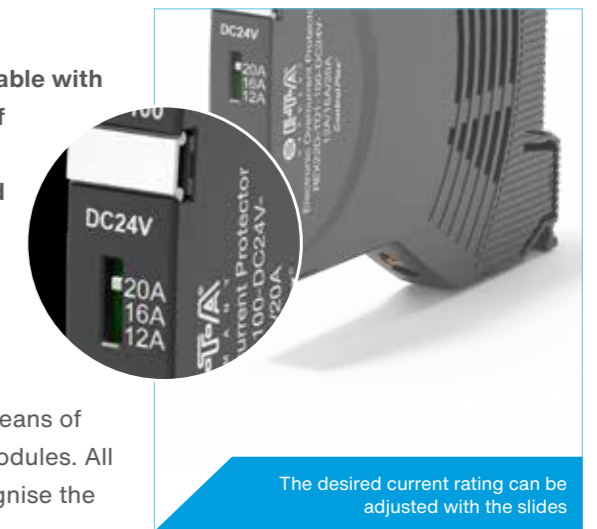
ONE CHARACTERISTIC CURVE FOR ALL APPLICATIONS

Adjustable current ratings up to 20 A

The newly developed REX22D electronic circuit protector is available with fixed and adjustable current ratings up to 20 A. The adjustment of the current ratings is made depending on the version. Either via the control level or via slide, which also allows the adjustment and reading of the current ratings even in dead-voltage condition.

In addition, all REX22D devices can be operated both in the BASE and in the COM REX systems. In the BASE REX system an error or status message is available by means of a signalling contact in the supply module. The intelligent COM REX

system offers a variety of diagnosis, control and parametrising options by means of different communication modules. All devices automatically recognise the respective operating mode.



The desired current rating can be adjusted with the slides

TECHNICAL DATA

Channels	1 & 2
Operating voltage	DC 24 V (18 ... 32 V)
Current ratings	1 A ... 20 A
Adjustable and fixed current ratings	Via slides, touch contact or superordinate control unit
Overload factor	1.2 x I _N
Overload trip time	3 s
Short circuit current	1.4 x I _N
Short circuit trip time	10 ms ... 1 s
Capacitive load	40,000 µf
Ambient temperature	-30 °C ... +60 °C
Signalling	Status or error message

YOUR BENEFITS

- Transparency and flexibility through adjustable current ratings via slides
- Reduced downtimes through calculable limited max. current
- Increased availability through prevention of nuisance trippings

