



E-T-A's compact and flexible REX system represents a comprehensive DC 24 V protection- and power distribution solution for the machine building industry. It is a perfectly harmonised system including power supply, overcurrent protection, power distribution and bus controller.

The REX22D-T selectively protects all DC 24 V load circuits up to 20 A and linearly limits the output current when switching on or before tripping. The limitation limits the rated current in the event of a short circuit. This allows effective and calculable protection of switch mode power supplies, even with small power reserves.



TYPICAL FEATURES

- Devices including supply module, overcurrent protection, power distribution module and bus controller
- Remote control, parametrising, diagnosis and monitoring via IO link, Modbus-RTU or fieldbus systems in the CPC12 $\it ControlPlex^{\it @}$ Controller
- BASE and COM mode in a single module
- Fixed rated current increments between 12 A 20 A
- Rated current adjustable up to 20 A
- No accessories required for connecting the components

YOUR BENEFITS

- · Increased transparency and flexibility through adjustable current ratings via slide switch
- Reduced downtimes through calculable limited max. current
- Increased availability as even loads with higher current requirements can be protected without nuisance tripping
- Provides flexibility through automatic operating mode recognition

PREFERRED TYPES

Preferred types are E-T-A products, which are most frequently used by our customers. We manufacture these preferred types in substantial quantities. You can find an overview of our preferred types here (Page 8).

TYP. APPLICATIONS

Machine building industry, Automation, Car production

APPROVALS / CERTIFICATIONS







NEC Class2

WEB LINKS

Further information, Mounting and operation (videos), International approvals, Technical basics, REACH, RoHS, Contact

COMPLIANCE











GENERAL INFORMATION

SAFETY AND INSTALLATION INSTRUCTIONS



Installation must be done by a qualified electrician.

- The EM12D-T circuit protector is only intended for use with extra-low voltage (DC 24 V).
- Connection to higher or not selectively protected voltages can cause harmful conditions or damage.
- The device must only be supplied with power after proper installation.
- When a circuit protector has tripped and before the reset, the cause of the failure (short circuit or overload) must be remedied.
- The national standards (e.g. in Germany DIN VDE 0100) for installation and selection of the feed and return cables must be observed.
- When operating in COM mode, please observe the separate EM12D or CPC12 instruction manual.
- The buttons must only be operated without tools.



Electrostatically sensitive sub-assemblies can be destroyed by voltages far below the human perception threshold. These voltages already occur if you touch a component or electrical terminals of a component without being electrostatically discharged. The damage of a sub-assembly caused by an overvoltage is often not immediately recognised, but will be noticed only after a longer operating time.



Caution: Exchange / disassembly only in dead-voltage condition! Potentials will be interrupted.

Mounting instruction: Mounting or actuation of the REX connector arm must only be effected at dead-voltage. For start-up, the REX connector arm must be closed. A maximum of 40 modules can be mounted in total.

Note: Observe the data sheets for electronic circuit protectors in the REX portfolio, assembly /disassembly on DIN rail / mounting direction / mounting area / sealing / application example and many more.

OPERATING INSTRUCTIONS

General operating instructions

Selection of rated current of the circuit protector ≤ Rated current of the power supply.

Requesting the currently set rated current

You can enquire the currently set rated current for each channel independently of the operating mode (COM or BASE) directly at the REX22D-TE2. Start the enquiry mode by pushing the button between >= 2 seconds and < 5 seconds. After releasing the button, the LED briefly lights up in RED to indicate the start of the enquiry. The LED then indicates the set rated current by flashing ORANGE. The adjusted rated current is indicated through the number of flashing cycles. E.g. when the LED is blinking 6 times, the rated current is set to 6 Ampere. When the adjusted current rating is set, the LED lights up in RED again to indicate the start of the signalling. The enquiry mode is left after the adjusted current rating was signalled 5 times or by pressing the button. The display will now show the current operating condition again. The enquiry mode is available in all operating conditions.

Rated current settings

The rated current of the REX12D-TE2 can be set both in BASE mode and in COM mode. The BASE or COM mode setting (without active connection to the superordinate control unit) is started per channel via pressing the momentary switch for >= 5 seconds. After releasing the button, the LED lights up in RED to indicate the start of the adjustment. The LED then flashes GREEN to signal the rated current to be set. After reaching the max. adjustment value, signalling re-starts. The switch-over from the maximum to the minimum setting value is indicated through a short red flashing of the LED. The current rating to be set is acknowledged by pressing the button during the blinking period of 1 A up to the max. setting value.

If for instance the button is pressed after the 6th flashing of the GREEN LED, the set rated current is 6 A and the display shows the current operating condition again. If the button is not pressed, the adjustment mode is left after 5 times signalling the current rating range without a new current rating to be set and the display switches back to the current operating condition. The enquiry mode is available in all operating conditions. In the COM mode, settings can be adjusted via the active connection to the superordinate control unit, see operating instructions.

FURTHER INFORMATION



Mounting and operation (videos) https://www.e-t-a.de/index.php?id=17311

TECHNICAL DATA (T_u = +23 °C, U_b = DC 24 V)

ELECTRICAL DATA	
Rated voltage U _n	DC 24 V
Operating voltage U _b	1832 V (no battery-buffered applications)
Rated current type	Fixed and adjustable current ratings:
Current ratings	with different current ratings from 1 A to 20 A see ordering number key.
Parallel connection of several load outputs	Not admissible





Condition as delivered	Condition as delivered max. rated current Assembly status: ON
	Option: OFF, see ordering number key
Quiescent current I ₀	REX22D-Tx1 1-channel in ON condition: typ. 11 mA
	REX22D-Tx2 2-channel in ON condition: typ. 16 mA
Reverse polarity protection	Yes, without load
Operating condition signal	Multi-coloured LED
LED for operating condition signalling	Green: Device ON Load circuit switched through Green/orange blinking: Device ON Load current warning limit reached Orange: Overload or short circuit until electronic disconnection
	 Circuit protector was switched off by the superordinate control unit, LED is continuously orange Red: After overload or short circuit disconnection In the event of low voltage disconnection of the operating voltage in ON condition with automatic reset OFF: Device switched off via ON/OFF momentary switch No operating voltage
	Activated fail safe element or defective initialisation of the circuit protector
Load current measurement	110 A types Measuring accuracy \pm 5 % \pm 0.1 A 1020 A types Measuring accuracy \pm 5 % \pm 0.3 A
Load voltage measurement	Measuring accuracy ± 3 % ± 0.1 V
Output (load circuit)	Power MOSFET switching output (plus switching)
Overcurrent behaviour	Typ. 1.2 I_n (1.051.35 I_n) - trip time typ. 3 s Exception: I_n 3.6 A CL2 typ. 1.05 I_n - trip time typ. 3 s
Short circuit behaviour	Active current limitation typ. 2.5 I _n , 1 A typ. 1.6 I _n , 2 A - 5 A typ. 1.4 I _n , 6 A - 20 A Trip time typ. 0.011 s, see time/current characteristic
Switch-on performance - factory set- tings	Last condition
Load current warning limit (I _{WLimit}) - factory settings (no COM mode)	Typ. 0.9 I _n
Load current warning limit (I _{WLimit}) - factory settings (in COM mode)	Typ. 0.8 I _n
Switch-on performance - setting range (in COM mode)	Last condition
Rated current - setting range (in COM mode)	1 A - 3,6 A; 1 A - 10 A in 1 A increments
Load current warning limit (I _{WLimit}) - setting range (in COM mode)	0.51 I _n (parametrisable)
Hysteresis - load current warning limit	Typ. 5 %
Operating voltage monitoring for low voltage	OFF : at typ. $U_b < 16.0 \text{ V}$ ON: at typ. $U_b > 19.0 \text{ V}$ With automatic OFF and ON operation
Hysteresis - operating voltage monitoring	2 V
Switch-on delay - when power ON	Channel 1: typ. 1500 ms (depending on slot) Channel 2: typ. 1600 ms (depending on slot)
Switch-on delay when switching on via ON/OFF switch	Channel 1: typ. 5 ms Channel 2: typ. 100 ms
Switch-on delay after low voltage	Channel 1: typ. 5 ms Channel 2: typ. 5 ms
Disconnection of the load circuit	 Manually on the device via the ON/OFF momentary switch Remote control via the superordinate control unit After an overload / short circuit disconnection with storage (no automatic restart) Temporarily in the event of low voltage Due to missing operating voltage





Switching on the load circuit via ON/ OFF momentary switch	The circuit protector can be switched on by the superordinate control unit or otherwise directly on the device. These two options are linked with AND. Switch is only possible if switched on from both positions. If the circuit protector was switched off either by the control unit or directly on the device via the momentary switch, switching on the device again must be effected at the same position.					
Switching on the load circuit by applying operating voltage	For On-switching, the device must be supplied with the operating voltage. The device re-starts with the last stored condition.					
Reset function / Reset	A disabled load output (oinput.	A disabled load output (disabled by overload / short circuit) can externally be reset via the control				
Leakage current in the load circuit in OFF condition	Typ. 0.2 mA					
Capacitive switch-on capacity	Up to 40,000 μF (depend	ding on: Cable attenuatio	n, power supply, load cu	rrent and current rating)		
Load circuit reverse supply resistance	Max. DC 32 V					
Free-wheeling circuit	External free-wheeling c	rcuit at inductive load (ra	ating according to load)			
Insulation co-ordination (EN IEC 60664)	0.5 kV Overvoltage category: II Pollution degree: 2 Reinforced insulation in	the actuating area				
Insulation resistance	N/a, electronic disconne	ction only				
Status output FM / REX22D-Tx-100-xx						
Error message FM in the REX system	Combined with the EM1 the Si auxiliary contact.	2-T01-001-DC24V-40A s	upply module, a group s	ignalling is realised via		
Electrical data	Potential-free signal contact: max. DC 30 V / 0.5 A, min. 10 V / 1 mA					
Normal condition FM	 Auxiliary contact closed in the EM12-T supply module In ON condition, load output ON In OFF condition, load output OFF If there is no operating voltage U_B in the REX system 					
Fault condition FM	 Auxiliary contact open Load output blocked a After low voltage disco If there is no U_B in the 	fter overload / short circunnection of operating vo	uit disconnection	th autoreset		
Status output SM / REX22D-Tx-101-xx						
Status message SM in the REX system	Combined with the EM1: the Si auxiliary contact.	2-T01-001-DC24V-40A s	upply module, a group s	ignalling is realised via		
Electrical data	Potential-free signal contact: max. DC 30 V / 0.5 A, min. 10 V / 1 mA					
Normal condition SM	 Auxiliary contact closed in the EM12-T supply module In ON condition, load output ON If there is no operating voltage U_B in the REX system 					
Fault condition SM	 Auxiliary contact open When OFF, load output Load output blocked a After low voltage disco If there is no operating 	t is switched off fter overload / short circunnection of operating vo	uit disconnection Itage in ON condition wit	h autoreset		
VOLTAGE DROP, CURRENT LIMITATION						
Rated current I _n [A]	Typical Voltage dip U _{on} typ. per 1 A (at +23 °C) [mV]	Active current limita- tion	Trip time typically [s]	Fail-safe element [A]		
1 A/ 2 A/ 4 A 2 A/ 3 A/ 4 A	27	2.5 l _n , 1 A 1.6 l _n , 2 A - 5 A	Overload disconnection (I _{OL}): 3 Short circuit discon-	6.3		







6 A/ 8 A/ 10 A 1 A-10 A	11	2.5 I _n , 1 A 1.6 I _n , 2 A - 5 A 1.4 I _n , 6 A - 20 A	Overload disconnection (I _{OL}): 3 Short circuit disconnection (I _{SC}): 0.01 to 1	15
10 A/ 12 A/ 15 A 12 A 16 A	6	1.4 I _n , 6 A - 20 A	Overload disconnection (I _{OL}): 3 Short circuit disconnection (I _{SC}): 0.01 to 1	25
10 A/ 16 A/ 20 A 12 A/ 16 A/ 20 A 20 A	5.3	1.4 I _n , 6 A - 20 A	Overload disconnection (I _{OL}): 3 Short circuit disconnection (I _{SC}): 0.01 to 1	30

POWER LOSS IN W		
Rated current In [A]	Power loss [W]	
12	1.13	
16	1.80	
20	2.38	
10/ 12/ 15	0.86/ 1.13/ 1.61	
10/ 16/ 20	0.79/ 1.62/ 2.38	
12/ 16/ 20	1.03/ 1.62/ 2.38	
2/3/3.6	0.74/ 1.19/ 1.55	
1/2/4	0.44/ 0.60/ 1.25	
2/3/4	0.60/ 0.87/ 1.25	
2/4/6	0.52/ 0.93/ 1.61	
3/5/7	0.69/ 1.23/ 2.05	
2/3/4 - 6/8/10	0.85/ 1.24/ 1.76	
6/8/10	1.18/ 1.79/ 2.58	
1 -3.6	1.55	
1 -10	2.58	

DIGITAL DATA	
Note on the operating mode	The REX22D-Tx can be operated both with a passive supply module (EM12-T) in the Base mode or with an active supply module (EM12D-T) in the COM mode. The operating mode is automatically recognised.

OVERVIEW OF COMMANDS IN THE CO	M MODE		
/riting/reading the device configuration • Rated current (only for REX22D-TE2-10x-DC24V-xA-xA versions) • Load current warning limit			
Reading static device information	 Rated current Product type Serial number Hardware version Software version 		
Reading dynamic device information / measuring values	Load current Load voltage Error memory Trip counter Reason of last tripping Status / event of device		
Control commands	Switch on/off or reset load output Reset error memory Reset trip counter Set parameters to factory settings		

MECHANICAL DATA	
Mounting dimensions (WxHxD)	12.5 x 80 x 98.5 mm
Mass	6366 g
Mounting data	DIN rail according to EN 60715-35x7.5





Mounting cycles	Min. 100			
MOUNTING VALUES - PUSH-IN TERMINAL				
Terminal connection capacity	Cable cross section [mm²]	Cable cross section [AWG]	Stripping length [mm]	
rigid	0.144	2414	810	
flexible	0.144	2414	810	
flexible with wire end ferrule with plastic sleeve	0.142.5	2412	810	
flexible with wire end ferrule without plastic sleeve	0.142.5	2412	810	

AMBIENT CONDITIONS	
Ambient temperature	-25+60 °C (without condensation, cf. EN 60204-1)
Storage temperature	-40+70 °C
Mounting temperature	+5+60 °C
Damp heat	Test according to IEC 60068-2-78, test cab. climate class 3K3 to EN60721 96 h at 95 % rel. humidity/40 °C
Vibration	Test according to IEC 60068-2-6 test Fc 5 g
IP code standard	IEC 60529, DIN VDE 0470
Actuating area IP code (standard)	IP30
Terminal area IP code (standard)	IP20
EMC requirements (EMC directive, CE logo) emitted interference	EN 61000-6-3
EMC requirements (EMC directive, CE logo) resistance to disturbances	EN 61000-6-2
Operating altitude	2,000 m a. sea level (SL) 3,000 m a. SL up to +55 °C 4,000 m a. SL up to +50 °C
Maximum ambient pressure during ope ration	- 4 bar above atmospheric pressure

ORDERING NUMBER CODE



1 TYPE NUMBER

REX22D Electronic circuit protector with active current limitation and automatic standard or COM mode detection

2 PANEL CUT-OUT

T DIN rail mounting

3 DESIGN

A 1 load output terminals per channel, fixed current ratings x A

D 1 Load output terminal per channel, adjustable current ratings xx...xxA, via 3-position switch

E 1 load output terminal per channel, variable current ratings x A / x A, adjustable standard and COM mode

4 NUMBER OF CHANNELS

1 1 channel
2 2 channels

5 VERSION

1 Without physical isolation





6 SIGNAL INPUT

0 Without signal input

7 SIGNAL OUTPUT

Status output FM / Error messageStatus output SM / Status signal

8 OPERATING VOLTAGE

DC24V Rated voltage DC 24 V

9 RATED CURRENT

12A	(1 channel only)
16A	(1 channel only)
20A	(1 channel only)
10A/12A/15A	(1 channel only)
10A/16A/20A	(1 channel only)
12A/16A/20A	(1 channel only)
2A/3A/3,6A	(2 channels only, Class2)
2A/3A/4A	(2 channels only)
2A/4A/6A	(2 channels only)
3A/5A/7A	(2 channels only)
6A/8A/10A	(2 channels only)
2/3/4A-6/8/10A	(2 channels only)
1A-3,6A	(2 channels only, Class2)
1A-10A	(2 channels only)

10 APPROVALS

[No entry if no CL2 approval required]

-CL2 (only 2 A/ 3 A/ 3,6 A; 1 A - 3.6 A versions)

11 OPTION

[No entry if delivery status ON]

-A Condition as delivered OFF (only for versions REX22D-TA1-101-DC24V-20A-A; REX22D-TD1-101-DC24V-12A/16A/20A-A; REX22D-TD2-101-DC24V-2A/4A/6A-A; REX22D-TD2-101-DC24V-6A/8A/10A-A)

12 ATEX APPROVAL

[No entry if no ATEX approval]

-E ATEX/IECEx approval

Further ordering examples:

- REX22D T D 2 1 0 0 DC24V 2A/4A/6A
- REX22D T E 2 1 0 0 DC24V 1A-10A

OVERVIEW OF VARIANTS WITH ATEX APPROVAL

Purchase order number

REX22D-TA1-100-DC24V-12A-E

REX22D-TA1-100-DC24V-16A-E

REX22D-TA1-100-DC24V-20A-E

REX22D-TD1-100-DC24V-10A/12A/15A-E

REX22D-TD1-100-DC24V-10A/16A/20A-E

REX22D-TD1-100-DC24V-12A/16A/20A-E

REX22D-TD2-100-DC24V-2A/3A/3,6A-CL2-E

REX22D-TD2-100-DC24V-1A/2A/4A-E

REX22D-TD2-100-DC24V-2A/3A/4A-E

REX22D-TD2-100-DC24V-2A/4A/6A-E

REX22D-TD2-100-DC24V-3A/5A/7A-E

REX22D-TD2-100-DC24V-6A/8A/10A-E





REX22D-TD2-100-DC24V-2/3/4A-6/8/10A-E

REX22D-TE2-100-DC24V-1A-3,6A-CL2-E

REX22D-TE2-100-DC24V-1A-10A-E

PREFERRED TYPES

Preferred types	Short description	Preferred rated currents [A]		
REX22D-TA1-100- DC24V	1-channel	12	16	20
REX22D-TD1-100- DC24V	1-channel, adjustable 3 increments	12/16/20	-	-
REX22D-TD2-100- DC24V	2-channel, adjustable 3 increments	2/3/3.6	2/4/6	6/8/10
REX22D-TE2-100- DC24V	2-channel, adjustable 10 increments	110	-	-
REX22D-TE2-100- DC24V	2-channel, adjustable 4 increments, CL2	13.6	-	-

APPROVALS

APPROVALS							
unit	Approval autho- rity	Test standard	File Certificate No.	Rated voltage [V]	Rated current range [A]		
REX22D-T	UL	UL 2367 UL 1310 NEC Class2	E306740	DC 24	120 13.6		
REX22D-T	UL	UL 508 listed, CSA C22.2 No. 14, CSA 22.2 No. 107.1	E492388	DC 24	120		
REX22D-T	UL	UL 121201 (Class I, Division 2, Groups A, B, C, D) CSA C22.2 No. 213	E543007	DC 24	120		
REX22D-T	Bureau Veritas	ATEX 2014/34/ EU EN 60079-0 EN 60079-7 EN 60079-15	EPS 23 ATEX 1 107 U	DC 24	fixed ratings 12, 16, 20 adjustable ratings 120		
REX22D-T	IECEx	IEC 60079-0 IEC 60079-7 IEC 60079-15	IECEx EPS 23.0024U	DC 24V	fixed ratings 12, 16, 20 adjustable ratings 120		
REX22D-T	UKEX	EN IEC 60079-0 EN IEC 60079-7 EN IEC 60079-15	EPS 23 UKEX 1259 U	DC 24V	fixed ratings 12, 16, 20 adjustable ratings 120		

PM and EM – accessories, approvals see technical data of accessories. Find further information about approvals here: https://www.e-t-a.de/approvals_en

UL APPROVALS



Operating temperature code T4

- This equipment is suitable for use in Class I, Division 2, Groups A, B, C and D or non-hazardous locations only. T5

WARNING - EXPLOSION HAZARD:

- Do not connect or disconnect equipment unless power has been removed or the area is known to be non-hazardous.

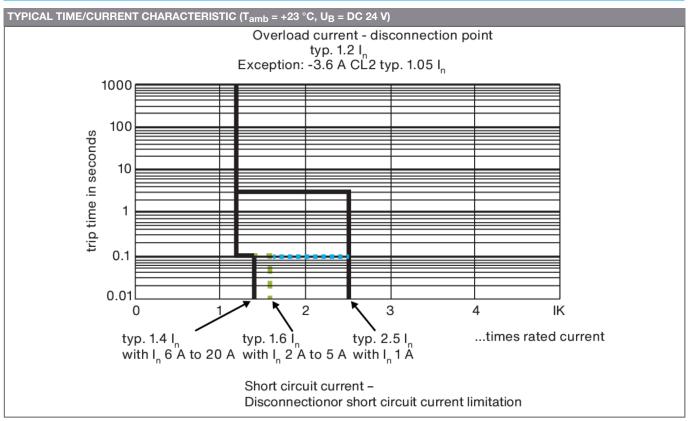
This device is OPEN type equipment that must be used within a suitable end-use system enclosure, the interior of which is only accessible using a tool. The suitability of the enclosure must be checked by the local authority at the time of installation.





Wiring to or from this device, which enters or leaves the system enclosure, must utilize wiring methods suitable for Class I, Division 2 Hazardous Locations, as appropriate for the installation.

TIME-/CURRENT CHARACTERISTICS



DERATING TABLE					
Rated current I _n [A]	max. load current at 100 % ED [A]				
	T _a = 40 °C	T _a = 50 °C	T _a = 60 °C		
2/ 3/ 3.6 1-3.6	3.6	3.6	3.2		
1/ 2/ 4 2/ 3/ 4	4	4	3.6		
2/ 4/ 6 3/ 5/ 7	7	6.5	5		
6/ 8/ 10 1-10	10	10	8		
10/ 12/ 15 12 16	16	16	14		
10/ 16/ 20 12/ 16/ 20 20	20	20	16		

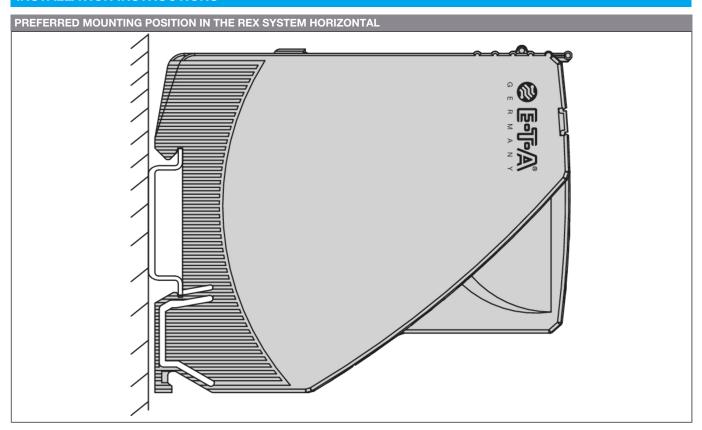
Note on series mounting

When mounted side-by-side, the devices can only carry up to 80 % of their rated current or a higher rating must be selected (see Technical Information: https://www.e-t-a.de/ti_e).

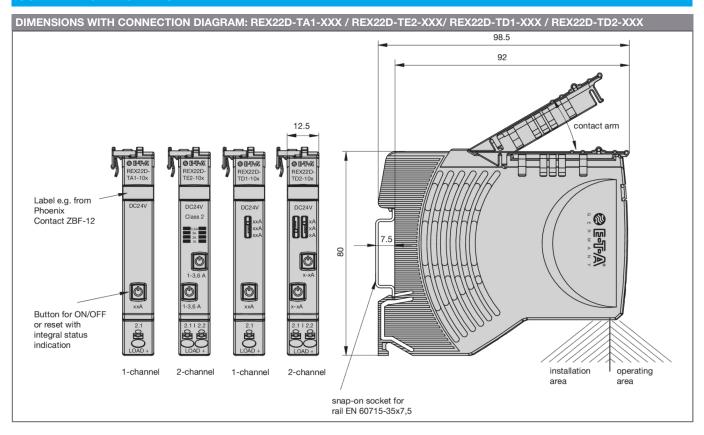




INSTALLATION INSTRUCTIONS



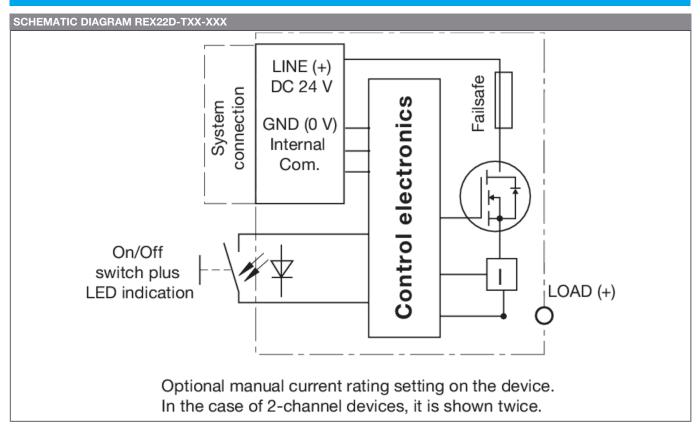
SCHEMATIC DIAGRAMS



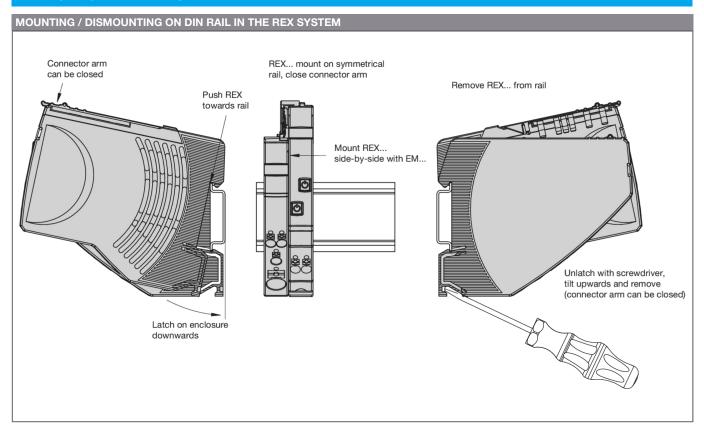




SCHEMATIC DIAGRAMS

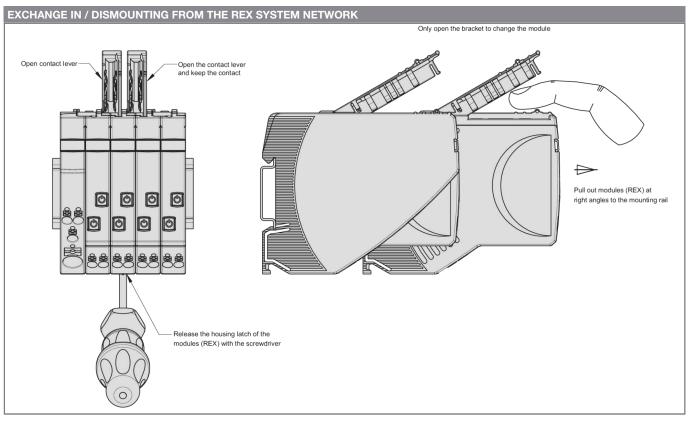


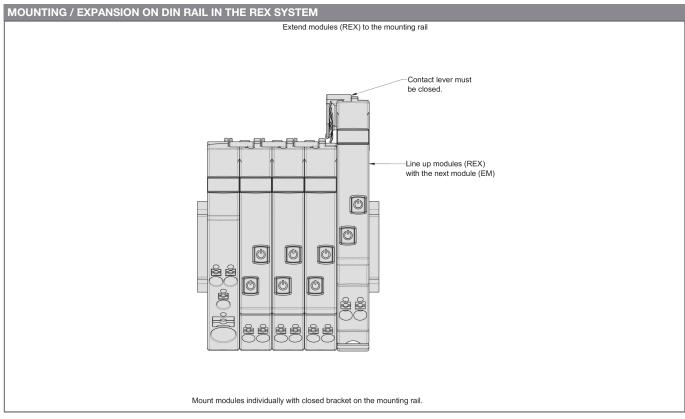
APPLICATION EXAMPLES





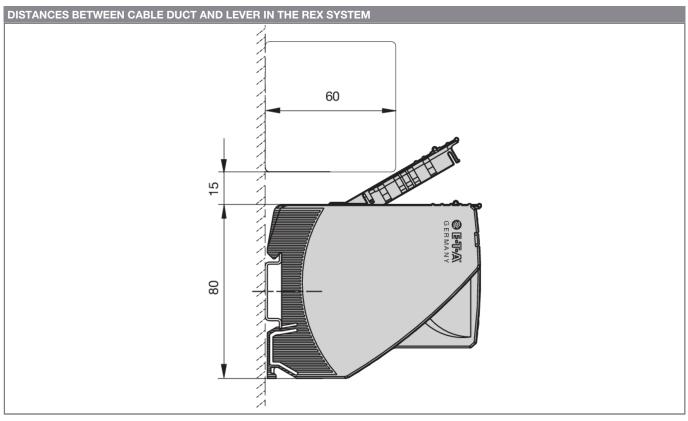


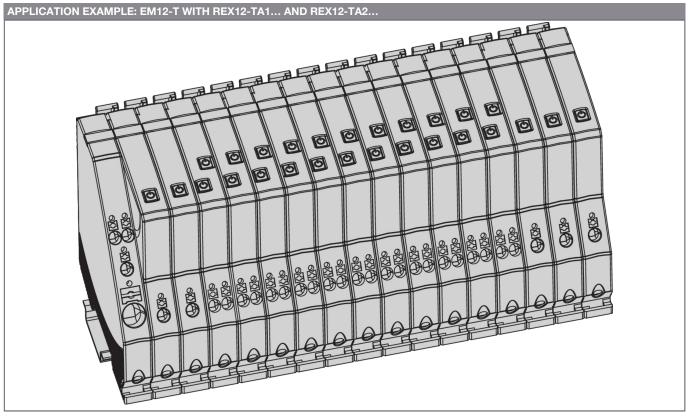




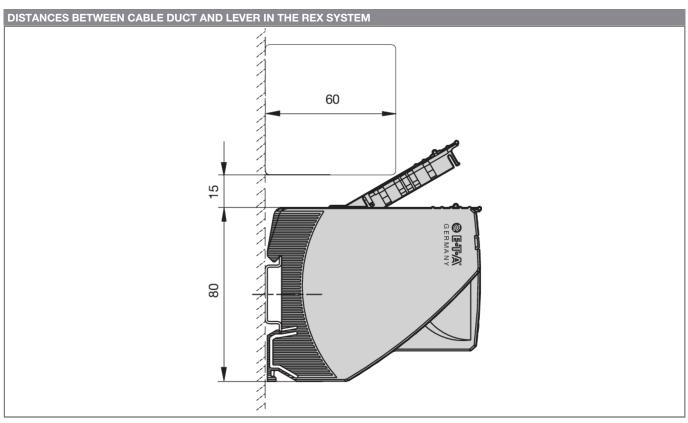


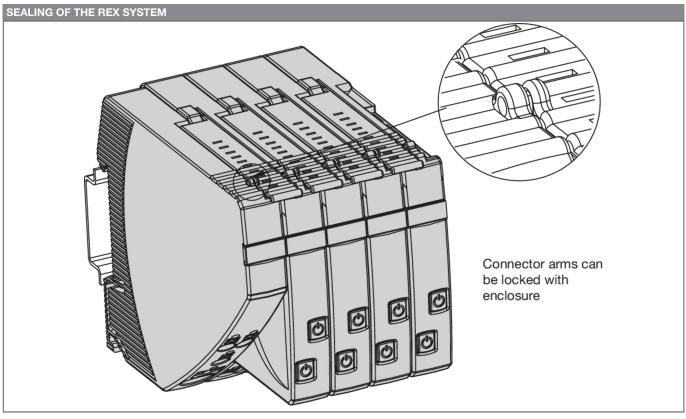












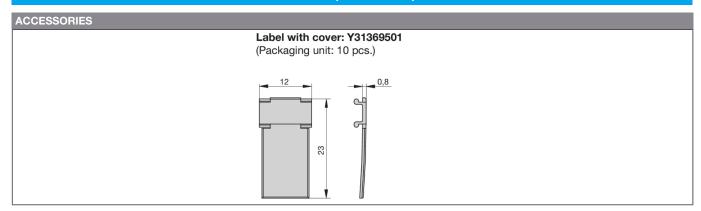


ACCESSORIES					
REQUIRED ACCESSORIES					
EM12D-T	The EM12D-T supply module receives the DC 24 V supply voltage, e.g. from a pulsed switch mode power supply, and distributes it to the installed intelligent circuit protectors via the integral connector arm of the REX12D/REX22D. The communication interface of the EM12D-T, which is designed as an IO link/Modbus RTU device, enables many diagnosis and control commands to be sent to a superordinate IO link/ Modbus RTU master at the control level.				
EM12-T (DC24V)	The EM12-T supply module receives the DC 24 V supply voltage, e.g. fFrom a switched mode power supply, and distributes it to the mounted circuit protectors via the integral connector arm of the REX12-T. The potential-free Si auxiliary contact in the EM12-T indicates errors and faults detected by the circuit protectors, e.g. to a superordinate control unit (CPU).				
OPTIONAL ACCESSORIES					
ControlPlex® Controller CPC12	The intelligent CPC12 <i>ControlPlex®</i> system is the perfect solution for the machine building industry. The system combines the well-proven quality of a DC 24 V overcurrent protection system with the EtherNet/IP, PROFINET, EtherCAT and Modbus TCP communication options. It features permanent measuring data recording, analysing and processing. This provides the required transparency to detect changes in the production process at an early stage and initiate corrective actions in time. The integral webserver of the CPC12 bus controller allows direct access to the data of the DC 24 V power distribution. All measuring data and status information can be accessed even without using the field bus interface.				
ь EM12-T (LINE)	The EM12-T supply module receives the DC 24 V supply voltage, e.g. fFrom a switched mode power supply, and distributes it to the mounted circuit protectors via the integral connector arm of the REX12-T.				
→ EM12-T (GND)	The EM12-T supply module receives the DC 0 V (GND) of the supply voltage, e.g. from a switched mode power supply, and distributes it to the mounted potential distribution modules via the integral connector arm of the PM12-T.				
EM12-T (LINE)	The EM12-T supply module receives the DC 24 V supply voltage, e.g. fFrom a switched mode power supply, and distributes it to the mounted circuit protectors via the integral connector arm of the REX12-T.				
PM12-T (LOAD)	The REX system's PM12-T potential distribution modules can be divided into two main groups. Besides the + DC 24 V distribution, the 0 V minus distribution (GND) can be easily implemented in the same system. The slim modules save space and allow direct assignment of the power distribution in the system. The direct assignment can be easily displayed functionally in the related EPLAN providing support for wiring and trouble-shooting.				
EM12-T (GND)	The EM12-T supply module receives the DC 0 V (GND) of the supply voltage, e.g. from a switched mode power supply, and distributes it to the mounted potential distribution modules via the integral connector arm of the PM12-T.	HI II			
PM12-T (GND)	The REX system's PM12-T potential distribution modules can be divided into two main groups. Besides the + DC 24 V distribution, the 0 V minus distribution (GND) can be easily implemented in the same system. The slim modules save space and allow direct assignment of the power distribution in the system. The direct assignment can be easily displayed functionally in the related EPLAN providing support for wiring and trouble-shooting.				





FURTHER INFORMATION ABOUT ACCESSORIES (DRAWINGS)



FURTHER PRODUCTS

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RELATED PRODUCTS				
REX12D-T	With the compact and flexible REX system, E-T-A offers a sophisticated DC 24 V solution for protection and power distribution in mechanical and plant engineering - consisting of power supply, overcurrent protection, distribution and bus controller. The REX12D-T circuit protector provides selective protection, reacts faster than the switch mode power supply to short circuits or overloads and reliably switches on capacitive loads up to 20,000 µF. Available with fixed and adjustable current ratings from 1 A to 10 A, it fulfils not only UL508listed and NEC Class 2 but also exclusively EN 60204-1 for line protection. All REX12D-T modules support BASE and COM mode - with simple message signalling or extensive communication and diagnostics just as required. The operating mode is automatically recognised.			
REX12-T	With the compact and flexible REX system, E-T-A offers a sophisticated DC 24 V solution for protection and power distribution in mechanical and plant engineering - consisting of power supply, overcurrent protection, distribution and bus controller. The REX12D-T circuit protector provides selective protection, reacts faster than the switch mode power supply to short circuits or overloads and reliably switches on capacitive loads up to 20,000 µF. Available with fixed and adjustable current ratings from 1 A to 10 A, it fulfils not only UL508listed and NEC Class 2 but also exclusively EN 60204-1 for line protection.			

All information and data given on our products are accurate and reliable to the best of our knowledge, but E-T-A does not accept any responsibility for the use in applications which are not in accordance with the present specification. E-T-A reserves the right to change specifications at any time in the interest of technical improvement. Dimensions are subject to change without notice. Please enquire for the latest dimensional drawing with tolerances if required. All dimensions, data, pictures and descriptions are for information only and are not binding. Amendments, errors and omissions excepted. Ordering part numbers may differ from the device marking.

