### **❷ 国际风 REX12 Electronic Circuit Protector**

### **Description**

The compact and flexible all-in-one solution REX consists of several perfectly matched components. It comprises the EM12-T supply module for the plus and minus potential via a single or double channel REX12-T electronic circuit protector which can be mounted side by side in any number and the PM12-T potential extension module for plus and minus multiplication. Connection of the only 12.5 mm wide modules is exclusively with push-in terminals which allow no-tool time-saving wiring.

Depending on the requirement, up to 16 circuit protectors can be placed on the symmetrical rail and are electrically connected by means of built-in connector system - no further accessories required. The circuit protector REX12-T offers selective overcurrent protection by responding to short circuit or overload faster than the switch mode power supply. Capacitive loads of up to 20,000 µF can be switched on without problems. The circuit protectors are available in all standard current ratings from 1 A to 10 A. Besides the UL508listed approval and NEC Class2, the REX12-T also meets the requirements of cable protection to EN60204-1.



- Combination of supply modules, overcurrent protection and power distribution
- Single and double channel selective load protection by means of electronic trip curve
- No accessories required for connecting the components
- Width per channel only 12.5 mm (1-channel) or 6.25 mm (2-channel)
- Fixed current ratings from 1 A to 10 A
- Integral fail-safe element, adjusted to current rating
- Switching capacitive loads up to 20,000 μF
- Manual ON/OFF/reset momentary switch
- Clear status indication by means of LED and signal contact Si
- Connection via push-in terminals including orange press release buttons



### **Benefits**

- Saves cost no further accessories required
- Saves 50 % time through innovative and flexible mounting and connection technology
- Saves space with a width of only 12,5 mm per channel
- Provides flexibility through ease of mounting, disassembly and modular design

Preferred types – a short explanation. For more details on all configurations please see ordering number code on page 3

Preferred types are E-T-A products most frequently used by our customers. We manufacture our preferred types in substantial quantities.

At the same time our preferred types are supplied at shorter lead times than non-standard versions.

### **Preferred types**

preferred types	short description	preferred ra	atings (A)					
REX12-TA1	1-channel	2	4	6	10	2/2	4/4	6/6
REX12-TA1-107-DC24V-		х	х	х	х			
REX12-TA2	2-channel	2	4	6	10	2/2	4/4	6/6
REX12-TA2-107-DC24V-						x	x	х

#### **Approval logos and markings**







#### **Data sheet**

The current data sheet is available on our website: www.e-t-a.de/d359

### ❷ [□ □ □ REX12 Electronic Circuit Protector

### Technical data $(T_{amb} = +23 \, ^{\circ}C, \, U_{B} = DC \, 24 \, V)$

REX12-TAx-xxx circuit pi REX12-TA1-107-DC24V-> REX12-TA2-107-DC24V->	κA		1-channel 2-channel	
Operating voltage U <sub>B</sub> DC 24 V (183				
Closed-circuit current I <sub>0</sub> REX12-TA1 1-channel in C REX12-TA2 2-channel in C			typically 5 mA typically 8 mA	
Reverse polarity protection	yes			
Power failure buffering time	up to 10	ms		
Current ratings I <sub>N</sub> REX12-TA1	fixed rati	ngs:		
current ratings REX12-TA2	1 A, 2 A,	3 A, 4 A, 6	A, 8 A, 10 A	
current ratings	1 A/1 A, 2 A/2 A, 3 A/3 A, 4 A/4 A, 6 A/6			
Visual status indication by LED	green:	load circu	it connected	
,	green/ora blinking:		ent warning limit 0 %	
	orange:	overload o	or short circuit until ction	
	red:		connection due to I or short circuit	
		operatin	dervoltage release of g voltage in ON n with autoreset	
	OFF:	ON/OFF n	ritched off by means of nomentary switch or ing voltage	
Load circuit				
Lood sutput	D 011101 N 1	OCEET and	itabina autout	

	no operating voltage
Load circuit	
Load output	power MOSFET switching output (plus switching)
Load current warning limit (I <sub>WLimit</sub> ) hysteresis	typically 0.9 x I <sub>N</sub> typically 5 %
Overload current disconnection ( $I_{OL}$ ) with trip times ( $t_{OL}$ ) short circuit trip time ( $t_{SC}$ )	typically $I_{OL}$ : $I_{N} \times 1.05$ $t_{OL}$ : 3s typically $I_{OL}$ : $I_{N} \times 1.35$ $t_{OL}$ : 0,5s typically $I_{OL}$ : $I_{N} \times 2.00$ $t_{OL}$ : 0.1s typically $I_{OL}$ : $I_{N} \times 2.50$ $t_{OL}$ : 0.012 s typically at short circuit ( $I_{SC}$ ) $t_{SC}$ : 0.002 s <sup>1)</sup> see time/current characteristic 1) depending on the power source Note: Selection of current rating of the circuit protector $I_{SC}$ rating of power supply
Influence of ambient temperature on overload disconnection and load current warning	see temperature factor table
Continuous Current IC	typically 0.8 x I <sub>N</sub> (Fail Safe Element is protected by REX12)
Fail-safe element integral blade fuse adjusted to related current rating I <sub>N</sub>	I <sub>N</sub> : 1 A fail-safe I <sub>N</sub> : 1 A fail-safe I <sub>N</sub> : 2 A fail-safe I <sub>N</sub> : 2 A fail-safe I <sub>N</sub> : 3.15 A fail-safe I <sub>N</sub> : 4 A fail-safe I <sub>N</sub> : 6.3 A fail-safe I <sub>N</sub> : 6.3 A fail-safe I <sub>N</sub> : 10 A fail-safe I <sub>N</sub> : 10 A fail-safe I <sub>N</sub> : 1 A/1 A fail-safe I <sub>N</sub> : 2 A/2 A fail-safe I <sub>N</sub> : 2 A/2 A fail-safe I <sub>N</sub> : 3 A/3 A fail-safe I <sub>N</sub> : 3 A/3 A fail-safe I <sub>N</sub> : 4 A/4 A fail-safe I <sub>N</sub> : 6 A/6 A fail-safe I <sub>N</sub> : 6 A/6.3 A

### Technical data $(T_{amb} = +23 \, ^{\circ}C, U_{B} = DC \, 24 \, V)$

	in load circui	t at I <sub>N</sub> and	d at I <sub>N</sub> 70	% between LINE+ and
LOAD+				
I <sub>N</sub> : 1 A	typically 180		I <sub>N</sub> : 70 %	j. j
I <sub>N</sub> : 2 A	typically 110		I <sub>N</sub> : 70 %	
I <sub>N</sub> : 3 A	typically 120		I <sub>N</sub> : 70 %	
I <sub>N</sub> : 3A-CL2	typically 130		I <sub>N</sub> : 70 %	
I <sub>N</sub> : 4 A	typically 11		I <sub>N</sub> : 70 %	
I <sub>N</sub> : 4A-CL2	typically 180	) mV	I <sub>N</sub> : 70 %	typically 120 mV
I <sub>N</sub> : 6 A	typically 170		I <sub>N</sub> : 70 %	
I <sub>N</sub> : 8 A	typically 160	) mV	I <sub>N</sub> : 70 %	typically 105 mV
I <sub>N</sub> : 10 A	typically 180	) mV	I <sub>N</sub> : 70 %	typically 120 mV
Operating vo	ltage	OFF at tv	vpically U	<sub>3</sub> < 16.0 V
monitoring	3.5		pically U <sub>R</sub>	
with regard to	low voltage		is typically	
				I and OFF switching
Cwitch on do	lov.			
Switch-on de - with power		channel	1.	typically 100 ms
- with power	ON	channel		typically 100 ms
		Charine	۷.	typically 200 ms
whon owital	oina on vio	channel	٠.	tunically E ma
<ul> <li>when switch on one of the control of t</li></ul>		onanii i <del>t</del> i	1.	typically 5 ms
switch or	nontal y	channel :	9.	typically 100 ms
- after under	voltago	channel		typically 5 ms
- arter underv	roitage	channel		typically 5 ms
<u></u>				
Disconnectio	n of load			device with the
circuit		ON/OF	r momen	tary switch
		- after an	overload	/ short circuit discon-
		nection	with stor	age (no automatic reset)
		- tempor	arilv at un	dervoltage
		•	perating v	
0 11 1		- at 110 0	perating v	oitage
Switch-on of				and the least are all the second
- momentary s	SWITCH			switched on when
ON/OFF		operating	g voltage	s applied
<ul> <li>applying</li> </ul>		The devi	ce starts ı	up with the condition
operating vo	oltage	last store	ed.	
Reset functio	n	A blocke	d load ou	tput (blocked by
		overload	/ short ci	rcuit) can externally be
		reset by	the ON/O	FF momentary switch
Leakage curr	ent in load	typically	<1 mA	
circuit in OFF				
Capacitive lo	ads	up to 20,	,000 μF:	
		'	'	enuation, power supply used,
			t and current	
Free-wheeling	g diode	external	free-whee	ling circuit at inductive
		load (rati	ng accord	ling to load)
Parallel conn	ection of	not allow	/ed	
several load				
Status outpu				
		· •	district and a	and a land
Status indica	tion REX12-1			
				implemented in
			on with E	M12-T supply module
Terminals		LOAD+		
Push-in termi	inal PT 2.5	0.14 mm	<sup>2</sup> 2.5 m	ım², flexible
			- AWG14	
Stripping leng	gth	8 mm		9
Dimensions (			3.5 x 80 m	ım
	w Ana)	12.J A 30	J.O A OO II	
Mass				
REX12-TA1-x				
REX12-TA2-x	xx 2-channel	approx.	58 g	

### ❷ [□ FA REX12 Electronic Circuit Protector

### Technical data $(T_{amb} = +23 \text{ °C}, U_B = DC 24 \text{ V})$

General data	REX / EM / PM
Housing material	moulded
Mounting	symmetrical rail to EN 60715-35x7.5
Ambient temperature	-25 °C +60 °C (without condensation, cf. EN 60204-1)
Storage temperature	-40 °C +70 °C)
Mounting temperature	+5° +60 °C
Humidity	96 hrs / 95% RH/40 °C to IEC 60068-2-78-Cab climate class 3K3 to EN 60721
Corrosion only PM and EM accessories	96hrs. in 5 % salt mist to IEC 60068-2-11 test Ka
Vibration	3g test to IEC 60068-2-6, test Fc
Degree of protection operating area REX12:	(IEC 60529, DIN VDE 0470) IP30
terminal area EM, PM:	IP20
EMC requirements (EMC directive, CE logo)	noise emission EN 61000-6-3 susceptibility: EN 61000-6-2
Insulation co-ordination	(IEC 60934) 0.5 kV / pollution degree 2
Dielectric strength	max. DC 30 V (load circuit)
Insulation resistance (OFF condition)	n/a, only electronic disconnection
Conformity	CE marking

### **Approvals and standards**

Approval authority	Standard	UL file no.	Voltage rating	Current rating range
UL	UL 2367	E306740	DC 24 V	1 A10 A
UL	UL 1310 NEC Class2	E306740	DC 24 V	1 A, 2 A, 3 A, 4 A
UL	cULus 508 listed	E492388	DC 24 V	1 A10 A

PM and EM - accessories approvals see technical data of accessories

### **Preferred types**

Preferred types are E-T-A products most frequently used by our customers. We manufacture our preferred types in substantial quantities. At the same time our preferred types are supplied at shorter lead times than non-standard versions.

preferred types	short description	preferred ratings (A)						
REX12-TA1	1-channel	2	4	6	10	2/2	4/4	6/6
REX12-TA1-107- DC24V-		х	х	x	x			
REX12-TA2	2-channel	2	4	6	10	2/2	4/4	6/6
REX12-TA2-107- DC24V-						x	х	х

### **Customer-specific variants**

Looking for a version you cannot find in our ordering number code? Please get in touch. We will find a solution for you.

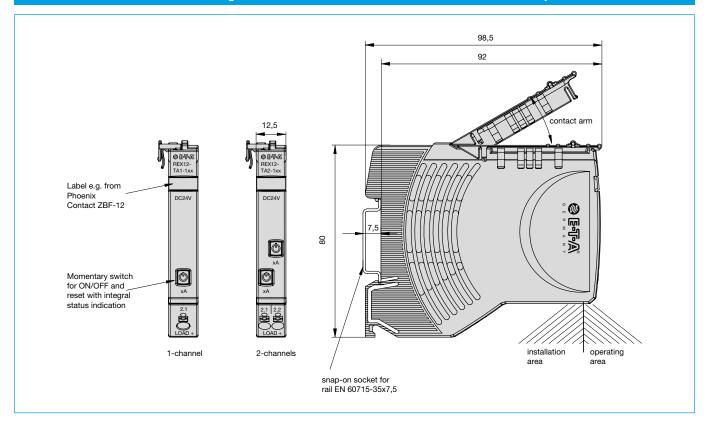
### Ordering number code - REX12-T

Туре								
REX12				tor wit	h PT connection technology			
	Mounti							
		mou	nting					
		sign						
	A 1 load output terminal per channel, fixed current ratings xA							
	_	or xA						
			ber of ch					
			channel (	only 1-	channel)			
			channels					
		V	ersion					
		1			al isolation			
				l input				
					signal input			
				ignal o				
			<u> </u>		us output			
					erating voltage 24 V voltage rating DC 24 V			
				ьс	Current rating range			
					1 A (only 1 channel, Class2)			
					2 A (only 1 channel, Class2)			
					3 A (only 1 channel)			
					4 A (only 1 channel)			
					6 A (only 1 channel)			
					8 A (only 1 channel)			
					10 A (only 1 channel)			
					1 A / 1 A (only 2 channels, Class2)			
					2 A / 2 A (only 2 channels, Class2)			
					3 A/3 A (only 2 channels)			
					4 A/4 A (only 2 channels)			
					6 A/6 A (only 2 channels)			
					Approval			
					CL2 Class2 (only for			
					3A and 4A versions)			
<b>REX12</b> -	- Т А	1 - 1	0	7 - DC	24V - 10 A example of 1-chan.			
<b>REX12</b> -	- T A	2 - 1	0	7 - DC	24V - 4A / 4A CL2 example of 2-chan.			

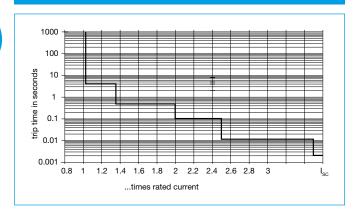
### Overview of ordering number codes

Supply module	EM12-T00-000-DC24V-40A EM12-T01-001-DC24V-40A
Circuit protectors: 1-channel	REX12-TA1-107-DC24V-1A (Class2) REX12-TA1-107-DC24V-2A (Class2) REX12-TA1-107-DC24V-3A REX12-TA1-107-DC24V-3A-CL2 (Class2) REX12-TA1-107-DC24V-4A REX12-TA1-107-DC24V-4A-CL2 (Class2) REX12-TA1-107-DC24V-6A REX12-TA1-107-DC24V-8A REX12-TA1-107-DC24V-10A
Circuit protectors: 2-channel	REX12-TA2-107-DC24V-1A/1A (Class2) REX12-TA2-107-DC24V-2A/2A (Class2) REX12-TA2-107-DC24V-3A/3A REX12-TA2-107-DC24V-3A/3A-CL2 (Class2) REX12-TA2-107-DC24V-4A/4A REX12-TA2-107-DC24V-4A/4A-CL2 (Class2) REX12-TA2-107-DC24V-6A/6A
Accessories	
Supply modules	EM12-T00-100-LINE-40A EM12-T00-200-LINE-40A EM12-T00-000-GND-40A EM12-T00-300-GND-40A
Potential modules	PM12-T01-00-LOAD-20A PM12-T02-00-LOAD-20A PM12-T03-00-GND-20A

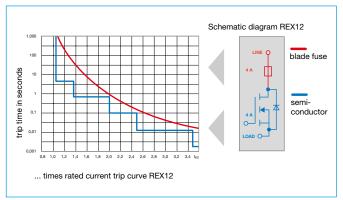
### Dimensions with connection diagram: REX12-TA1-xxx and REX12-TA2-xxx circuit protectors



### Time/current characteristic ( $T_{amb}$ = +23 °C, $U_{B}$ = DC - 24 V)



### Basic trip curve and schematic diagram REX12



### Temperature factor / continuous duty

The time/current characteristic depends on the ambient temperature. In order to determine the max. load current, please multiply the current rating with the temperature factor and consider the factor for side-by-side mounting.

#### Temperature factor table:

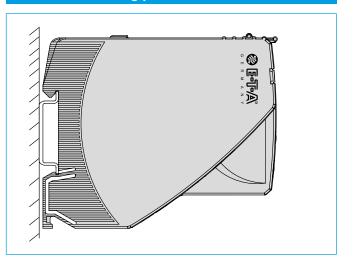
ambient temperature [°C]	0	10	23	40	50	60
temperature factor	1	1	1	0.95	0.90	0.85

Note: When mounted side-by-side, the devices can carry max. 80 % of their rated load or a different rating has to be selected (see technical information: www.e-t-a.de/ti\_e).

#### Note:

With high temperatures, the load current warning threshold "warn limit typically 0.9 x  $\rm I_N$ " will be reduced in accordance with the temperature factor.

### **Preferred mounting postion REX12: horizontal**



### ❷ [⑤ REX12 Electronic Circuit Protector

### **Description – EM12-T supply module**

The EM12-T supply module receives the DC 24 V supply voltage, e.g. from a switch mode power supply, and distributes it to the mounted circuit protectors via the integral connector arm of the REX12-T.

The potential-free auxiliary contact in the EM12-T indicates any detected failures through the circuit protector, e.g. to the superordinate control unit (CPU).

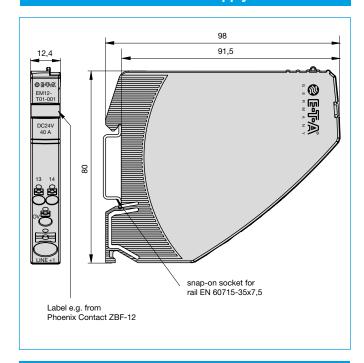
### Technical data (T<sub>amb</sub> = +23 °C, U<sub>B</sub> = DC 24 V)

Operating voltage U <sub>B</sub>	DC 24 V (1830 V)
Operating current I <sub>B</sub>	max. 40 A
Reverse polarity protection	yes
Signalling	only EM12-T01-001-DC24V-40A
Quiescent current I <sub>0</sub>	typically 10 mA
potential-free auxiliary cor	ntact max. DC 30 V / 0.5 A min. 10 V / 1 mA
Group signalling Si contact: Si (13) / Si (14)	auxiliary contact, make contact
normal condition:	auxiliary contact closed based on all protection modules - when ON, load output connected - when OFF, load output disconnected
Fault condition:	auxiliary contact open based on one or more protection modules - after overload or short circuit trip - after undervoltage release of operating voltage in ON condition with autoreset - at no operating voltage U <sub>B</sub> in supply module
Insulation co-ordination	0.5 kV / pollution degree 2
Power failure buffering time Si	up to 10 ms
Terminals	LINE+
Push-in terminal PT 10 stripping length	0.5 mm <sup>2</sup> 10 mm <sup>2</sup> , flexible AWG20 – AWG8 rigid 18 mm
Terminals	0 V / Si 13 / Si 14
Push-in terminal PT 2.5	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> , flexible AWG24 – AWG14 rigid
stripping length	8 mm 10 mm
Dimensions (w x h x d)	12.5 x 98 x 80 mm
Mass	approx. 52 g
Number of circuit protector to be mounted on EM12 s REX12-TA1-x REX12-TA2-x	
	· · · · · · · · · · · · · · · · · · ·

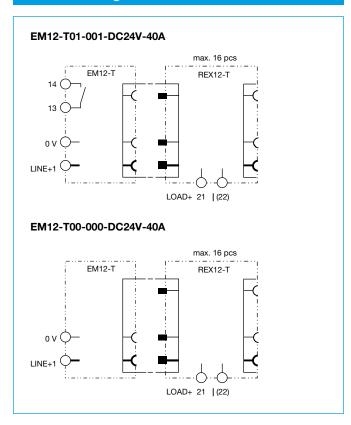
### Ordering number code - EM12

type								
EM12 s	supply module for REX12, with PT connection technology							
- N	Mounting method							
1	rail mounting							
	Version: Communication, interface							
	00 without signal							
	01 analog signal							
	Additional functionality							
	0 without							
	Signal input							
	without signal input							
	Signal output							
	without auxiliary contact							
	1 signal make contact							
	Operating voltage							
	DC 24 V voltage rating DC 24 V							
	Current rating range							
	40 A							
EM12 - 1	T 01 - 0 0 1 - DC 24 V - 40 A example							

### Dimensions EM12-T01-xxx supply module

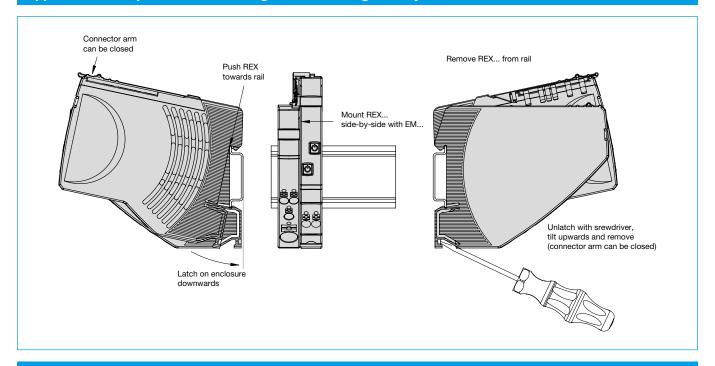


### Schematic diagram EM12-Txx-xxx with REX12-xx

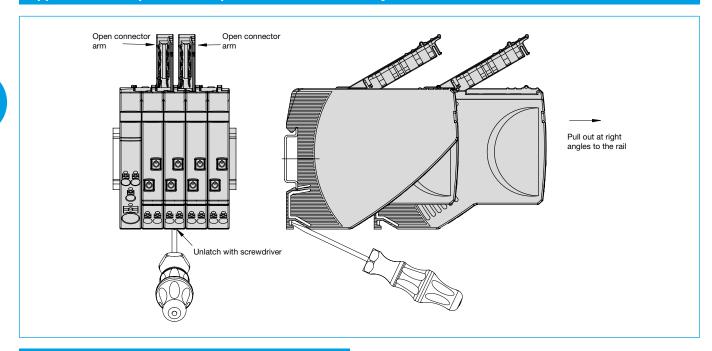


### ❷ [□ FA REX12 Electronic Circuit Protector

### Application example: REX... mounting on or removing from symmetrical rail



### Application example: REX... replacement or disassembly

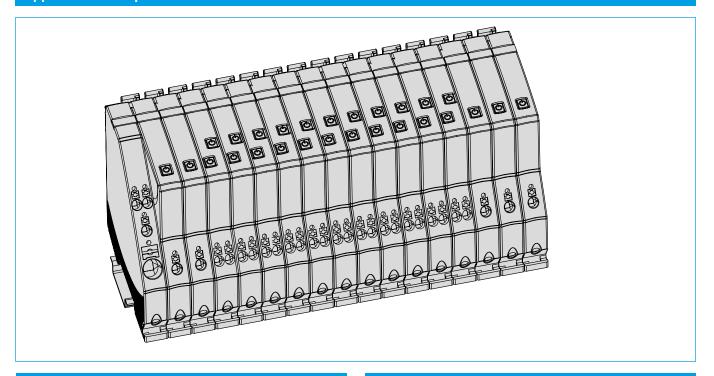


### **Instructions for installation**

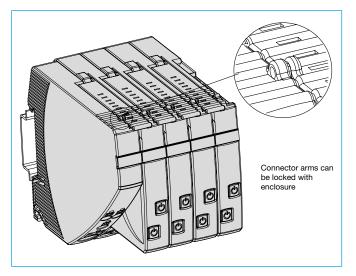
Mounting or actuation of the REX connector arm must only be effected at dead-voltage. For start-up the REX connector arm must be closed.

### ❷ [□ FA REX12 Electronic Circuit Protector

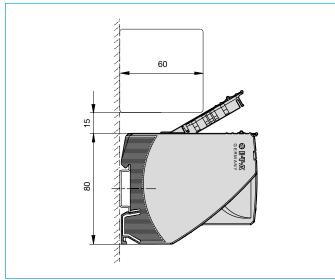
### Application example: EM12-T with REX12-TA1... and REX12-TA2...



### Application example: REX Locked connector arms



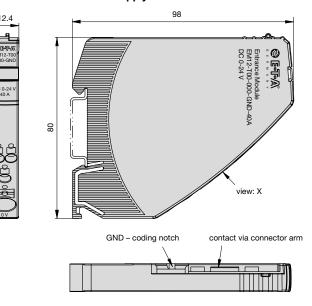
## Application example: REX12(D)-T... distance between cable duct and connector arm



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 improved design, performance and cost effectiveness, 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 codes of the products may differ from their marking.

### **Accessories**

### EM12-T00-000-GND-40A supply module left - 0V - GND



# Technical data Please observe general data of REX / EM / PM Operating voltage U<sub>B</sub> 0 V - DC 24 V (0

view: X

 Operating voltage U<sub>B</sub>
 0 V - DC 24 V (0 ... 30 V)

 Operating current I<sub>B</sub>
 max. load 40 A

 line terminal
 0 V - GND

 Push-in terminal PT 10 stripping length
 0.5 mm² ... 10 mm², flexible AWG24 - AWG8 rigid 18 mm

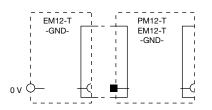
 Dimensions (w x h x d)
 12.5 x 98 x 80 mm

 Mass
 approx. 40 g

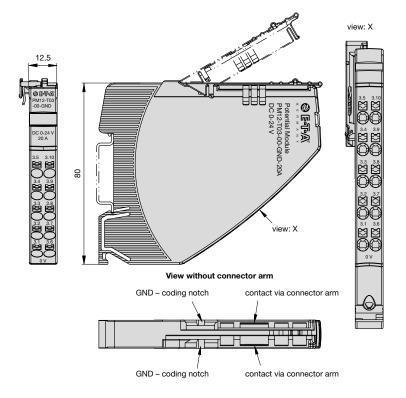
 Approvals
 UL 1059, File # E335289

#### Schematic diagram

EM12-T00-000-GND-40A



### PM12-T03-00-GND-20A potential module - GND (10-way)

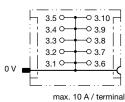


### Technical data

Please observe general dat	a of REX / EM / PM
Operating voltage U <sub>B</sub>	0 V - DC 24 V (0 30 V)
Operating current I <sub>B</sub>	max. load 20 A
line terminal	0 V – GND
Push-in terminal PT 2.5 stripping length	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> , flexible AWG24 – AWG14 rigid 8 mm 10 mm
Dimensions (w x h x d)	12.5 x 98 x 80 mm
Mass	approx. 52 g
Approvals	UL 1059, File # E335289

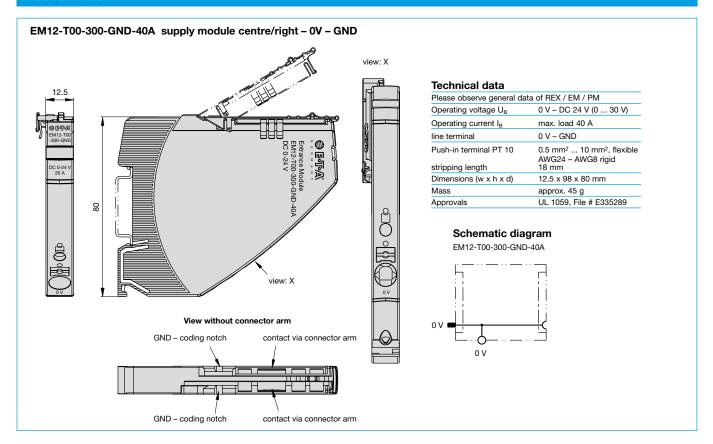
#### Schematic diagram

PM12-T03-00-GND-20A

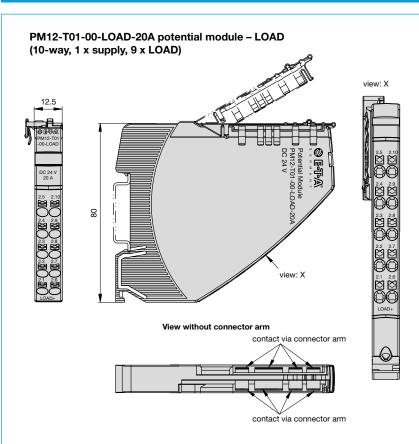


### ❷ 国际风 REX12 Electronic Circuit Protector

### **Accessories**



### **Accessories**

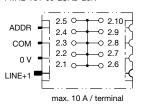


### Technical data

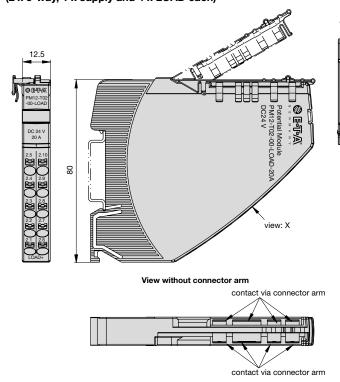
Please observe general data	a of REX / EM / PM
Operating voltage UB	DC 24 V (1830 V)
Operating current IB	max. load 20 A
Insulation co-ordination	0.8 kV / pollution degree 2
Terminals	LOAD+
Push-in terminal PT 2.5	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> , flexible AWG24 – AWG14 rigid
stripping length	8 mm 10 mm
Dimensions (w x h x d)	12.5 x 98 x 80 mm
Mass	approx. 52 g
Approvals	UL 1059, File # E335289

#### Schematic diagram

PM12-T01-00-LOAD-20A



### PM12-T02-00-LOAD-20A potential module – LOAD (2 x 5-way, 1 x supply and 4 x LOAD each)

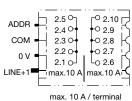


### **Technical data**

Please observe general data	of REX / EM / PM
Operating voltage U <sub>B</sub>	DC 24 V (1830 V)
Operating current I <sub>B</sub>	max. load 20 A
Insulation co-ordination	0.8 kV / pollution degree 2
Terminals	LOAD+
Push-in terminal PT 2.5 stripping length	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> , flexible AWG24 – AWG14 rigid 8 mm 10 mm
Dimensions (w x h x d)	12.5 x 98 x 80 mm
Mass	approx. 52 g
Approvals	UL 1059, File # E335289

#### Schematic diagram

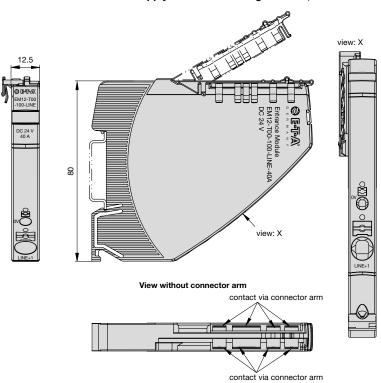
PM12-T02-00-LOAD-20A



### ❷ [⑤ REX12 Electronic Circuit Protector

### **Accessories**

### EM12-T00-100-LINE-40A supply module centre/right – LINE, LINE connected



#### Technical data Please observe general data of REX / EM / PM Operating voltage U<sub>B</sub> DC 24 V (18...30 V) Operating current I<sub>B</sub> max, load 40 A Insulation co-ordination 0.8 kV / pollution degree 2 Terminals LINE+1 Push-in terminal PT 10 0.5 mm2 ... 10 mm2, flexible AWG24 – AWG8 rigid 18 mm stripping length Terminals push-in terminal PT 2.5 0.14mm² ... 2.5mm², flexible AWG26 – AWG14 rigid 8 mm ... 10 mm

12.5 x 98 x 80 mm approx. 52 g

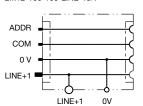
UL 1059, File # E335289

#### Schematic diagram

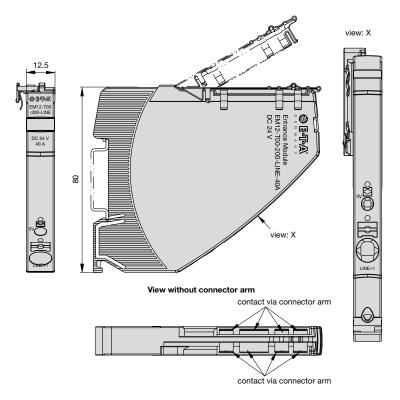
EM12-T00-100-LINE-40A

Stripping length Dimensions (w x h x d)

Approvals



#### EM12-T00-200-LINE-40A supply module centre/LINE, LINE separated

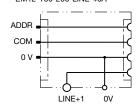


### Technical data

Please observe general data	of REX / EM / PM
Operating voltage U <sub>B</sub>	DC 24 V (1830 V)
Operating current I <sub>B</sub>	max. load 40 A
Insulation co-ordination	0.8 kV / pollution degree 2
Terminals	LINE+1
Push-in terminal PT 10 stripping length	0.5 mm <sup>2</sup> 10 mm <sup>2</sup> , flexible AWG24 – AWG8 rigid 18 mm
Terminals	0 V
Push-in terminal PT 2.5 stripping length	0.14mm <sup>2</sup> 2.5mm <sup>2</sup> , flexible AWG24 – AWG14 rigid 8 mm 10 mm
	AWG24 - AWG14 rigid
stripping length	AWG24 – AWG14 rigid 8 mm 10 mm
stripping length Dimensions (w x h x d)	AWG24 – AWG14 rigid 8 mm 10 mm 12.5 x 98 x 80 mm

### Schematic diagram

EM12-T00-200-LINE-40A



### ❷ 国际风 REX12 Electronic Circuit Protector

### Application example: EM12-T ... with REX12-TAx... and PM12-...

