

## Electronic circuit breaker ESS30-S Economical and compact.



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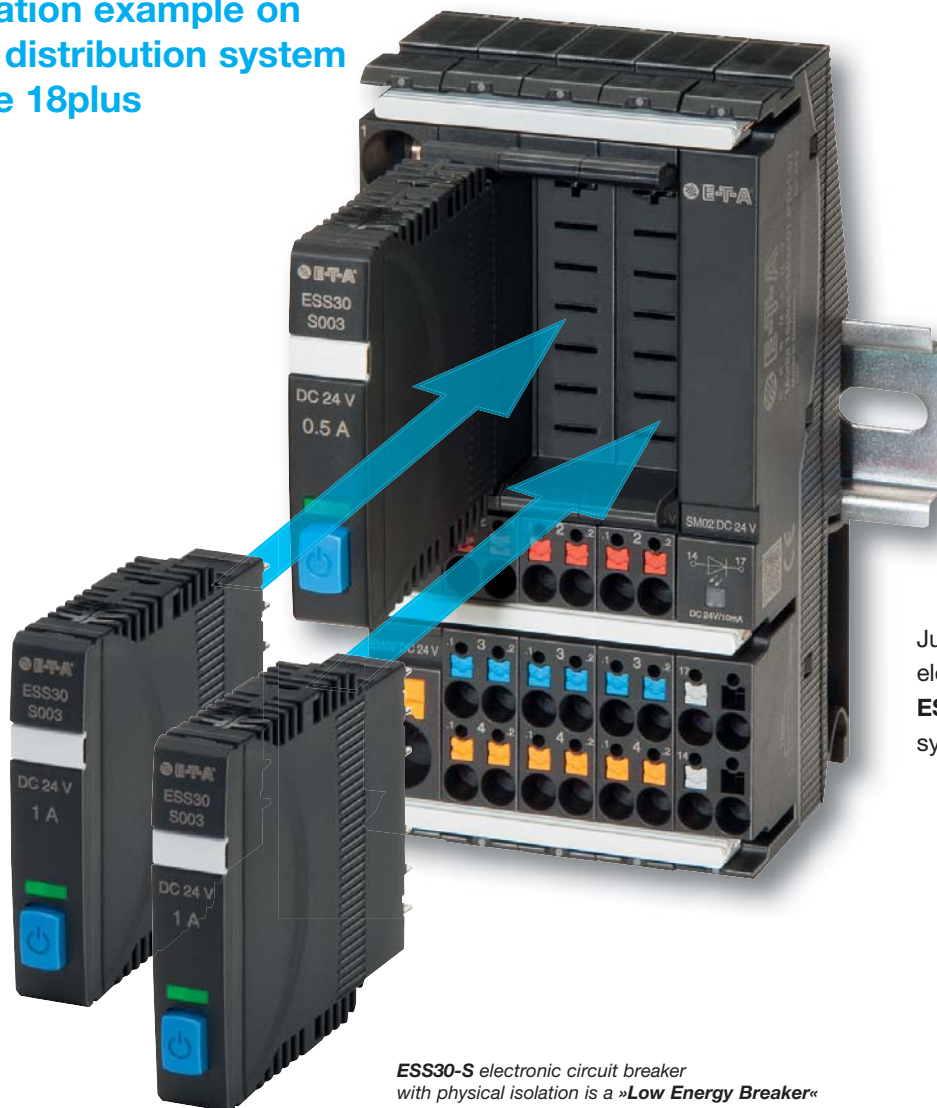
The electronic circuit breaker ESS30-S with physical isolation is a **“low energy breaker”** for DC 24 V applications. It is approved to VDE EN/IEC 60934 and UL1077 as a circuit breaker for equipment protection and supplementary protector and therefore ideally suitable for the use

in centralised and decentralised power supply units. The compact, plug-in type device was designed for mounting on the power distribution modules 17plus and 18plus as well as on the SVS power distribution systems.

### Benefits

- Saves energy costs through **1/3 lower power loss** compared to competitive solutions.
- Saves space by means of **30 % less installation depth** than equivalent solutions.
- Enhances system availability by means of a clear **failure detection and signalling**.

### Application example on power distribution system Module 18plus



Just plug it in: mounting of electronic circuit breakers **ESS30-S** on power distribution system **Module 18plus**

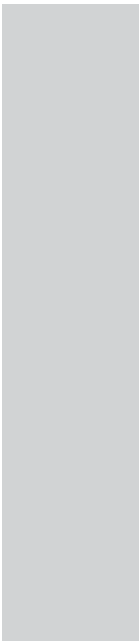
*ESS30-S* electronic circuit breaker with physical isolation is a **»Low Energy Breaker«** for DC 24 V applications.

## Features

- »Low energy breaker« with power loss reduced by 1/3
- Small height and width per channel
- Ambient temperatures up to +60 °C
- Selective load protection with physical isolation in the event of a failure
- Can be plugged into power distribution modules 17plus, 18plus and SVSxx power distribution systems

### Power loss

without  
ESS30-S



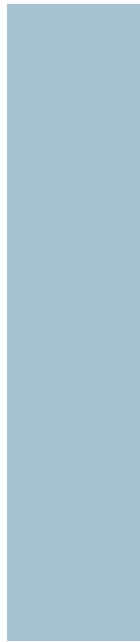
with  
ESS30-S



Save up to  
**33 %**

### Space savings

without  
ESS30-S



with  
ESS30-S



Save up to  
**30 %**



The »Low Energy Breaker«  
for decentralised power distribution:  
E-T-A's ESS30-S electronic circuit breaker



Do you need more  
information on the  
**ESS30-S?**  
Just scan the  
QR code!



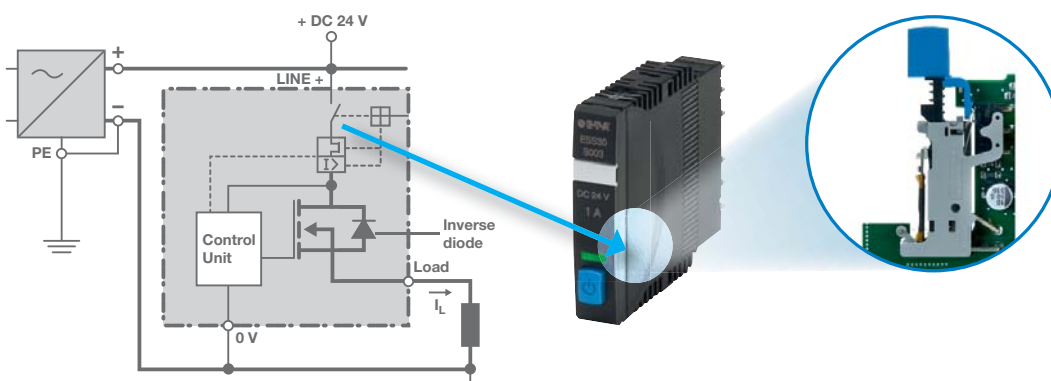
-S ESS30-S

## Technical Data

Operating voltage $U_B$	DC 24 V (18...30V)
Trip curve	current limitation with electronic disconnection, suitable for all kinds of loads
Current ratings $I_N$	0.5 A, 1 A, 2 A, 3 A, 3.6 A, 4 A, 6 A, 8 A, 10 A
Overload disconnection	typically $1.2 \times I_N$
Short circuit current $I_k$	typically $1.2 \times I_N$
Trip times	overload: typically 500 ms short circuit: typically 100 ms
Signalling	multicoloured LED, signal contact
Approvals	UL1077, VDE (EN/IEC 60934)



DC 24 V supply protected with the electronic circuit breaker **ESS30-S**



Physical isolation in the electronic circuit breaker **ESS30-S**



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