

Technical Data

Voltage range	DC 24 V (optionally up to DC 80 V)
Main circuits current rating I _N	EM supply module: max. 80 A, max. 16 mm ²
Load circuits current rating I _N	AM connection module: max. 20 A, max. 4 mm ²
Auxiliary circuit current rating I _N	SM signalling module: max. 1 A at DC 24 V, max. 4 mm ² (min. 10 mA at DC 10 V) typically 12 mA at DC 24 V
with integral base load and LED	
Connection technology	push-in terminals with coloured pushers
Width x height	approx. 13 x 130 mm per module
Mounting method	DIN rail mounting
Temperature range	-30 °C... +60 °C
Standards/approvals (pending)	IEC EN 60947-7-1/UL 1059
Accommodating plug-in type models	ESS20, ESS30-S, ESX10, 2210-S, ESX50D-S

Features

Modular compact system for rail mounting as a complete package, containing

- Load wiring with integral terminals without additional potential distribution
- Plug-in type overcurrent protection for all requirements in the DC 24 V area
- Integral power distribution up to 80 A, max. 20 A per slot
- Integral group signal wiring, make contacts
- Push-in terminals for reliable wiring, even with shock and vibration
- »Universal« system: future bus connection for **Control Plex**® applications

The Module 18plus includes electrical connectors with screwless push-in terminals.

- All conductors can plugged in easily and without tools
- Reliable contact making
- Firm connection of the conductors due to high pull-out forces
- Ease of operation without any tool
- Contact reliability in the event of shock and vibration
- Gas-tight electrical connection
- Maintenance-free
- Four different colours for the pushers (red, blue, orange, grey)



*Power distribution system
Module 18plus compact system
optionally fitted with
- electronic circuit breaker ESS30-S,
- electronic circuit protector ESX10
- thermal-magnetic circuit breaker 2210-S*

Module 18plus power distribution system Compact. Modular. Cost-effective.



Module 18plus power distribution system

Compact. Modular. Cost-effective.

The power distribution system **Module 18plus** is a complete mounting and power distribution system with state-of-the-art push-in technology for DIN rail mounting. It has a fully-fledged potential distribution and is suitable for wiring of all load cables and signal lines of the DC 24 V control voltage.

The **Module 18plus** is suitable for decentralised power distribution systems as well as centralised system concepts. The **Module 18plus** consists of three different

basic components which are 13 mm wide and allow quick and modular set-up. The user configures a modular distribution system directly on the symmetrical rail by means of the supply module, the connection module and the signalling module in only a few simple steps.

It can be done extremely flexibly and with only the exact number of channels required. Additional terminals and connecting cables are not necessary.

The maximally equipped version of the system covers 30 slots. The power distribution system **Module 18plus** can then be fitted with various single pole E-T-A circuit breakers and protectors.

Do you wish to export your system? No problem. International approvals to UL1059 and the design in accordance with EN 60947-7-1 make the **Module 18plus** ideally suitable for the use in international applications.

Supply terminals **PLUS** connection terminals **PLUS** signal terminals **PLUS** integral wire harness **PLUS** flexible circuit breaker equipment ... More than **18** positive qualities mutually enhance their effects!



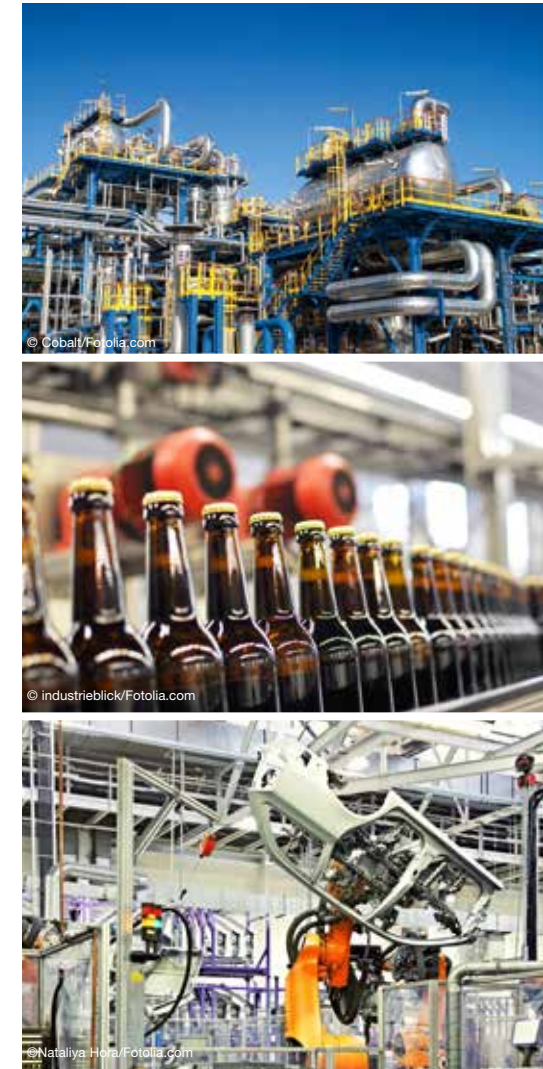
18plus-EM supply module
terminal 1 (LINE +), terminal 3 (0 V),
terminal 4 (FE), terminal 13 (aux. contact input)

18plus-AM connection module
terminal 2.1/2.2 (LINE +), terminal 3.1/3.2 (0 V),
terminal 4.1/4.2 (FE)

18plus-SM signalling module
terminal 14 (aux. contact output),
terminal 17 (GND for integral
base load 10 mA with LED)

Benefits

- **Flexible** handling ensured by modules that can be mounted side by side accommodating plug-in type circuit breakers
- **Modular** design provided by various functional sub-assemblies:
 - »compact« for conventional power distribution
 - »universal« for intelligent **ControlPlex®** systems
- **Cost reduction** through artless electrical design, quick wiring, reduced inventory



Do you want to know more about the **Module 18plus**? Just scan the QR code!



“ A first class choice of power distribution systems: Module 18plus made by E-T-A ”

Module 18plus Module 18plus