



## MODULE 18PLUS POWER DISTRIBUTION SYSTEM

Compact. Modular. Cost-effective.

# COMPACT. MODULAR. COST-EFFECTIVE.

Module 18plus power  
distribution system

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 module  
**18plus-EM**



Connection module  
**18plus-AM**



Signalling module  
**18plus-SM**



Power distribution system  
**Modul 18plus**



**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)

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 <sup>2</sup>
Load circuits current rating $I_N$	AM connection module: max. 20 A, max. 4 mm <sup>2</sup>
Auxiliary circuit current rating $I_N$	SM signalling module: max. 1 A at DC 24 V, max. 4 mm <sup>2</sup> (min. 10 mA at DC 10 V)
with integral base load and LED	typically 12 mA at DC 24 V
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



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



**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



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