

Overview



- Mechanical modules as receptacles for the electronic modules
- For setting up permanent wiring via build-as-you-go voltage buses
- Keyed connection technology to ensure an enhanced vibration resistance of up to 5 g
- Different variants for accepting power modules and electronic modules
- Replaceable terminal box (even within the station network)
- Automatic coding of the electronics modules
- Build-as-you-go shielding of the backplane bus for high data security
- Color coding facility for the terminals and for identifying the slot numbers
- Alternatively available with screw-type or spring-loaded terminals as well as with no-strip fast connection system "FastConnect" for up to 60 % quicker process wiring

Ordering data

Article No.

Article No.

TM-P terminal modules for PM-E power modules**TM-P15S23-A1**

2 × 3 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals

Ordering unit 1 item

6ES7193-4CC20-0AA0

Ordering unit 5 items

6ES7193-4CC20-1AA0

TM-P15C23-A1

2 × 3 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals

Ordering unit 1 item

6ES7193-4CC30-0AA0

Ordering unit 5 items

6ES7193-4CC30-1AA0

TM-P15N23-A1

6ES7193-4CC70-0AA0

Ordering unit 1 item
2 × 3 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, FastConnect

TM-P15S23-A0

2 × 3 terminals, terminal access to AUX1 bus, AUX1 interrupted to the left, screw-type terminals

Ordering unit 1 item

6ES7193-4CD20-0AA0

Ordering unit 5 items

6ES7193-4CD20-1AA0

TM-P15C23-A0

2 × 3 terminals, terminal access to AUX1 bus, AUX1 interrupted to the left, spring-loaded terminals

Ordering unit 1 item

6ES7193-4CD30-0AA0

Ordering unit 5 items

6ES7193-4CD30-1AA0

TM-P15N23-A0

Ordering unit 1 item
2 × 3 terminals, terminal access to AUX1 bus, AUX1 interrupted to the left, FastConnect

6ES7193-4CD70-0AA0

TM-P15S22-01

2 × 2 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals

Ordering unit 1 item

6ES7193-4CE00-0AA0

Ordering unit 5 items

6ES7193-4CE00-1AA0

TM-P15C22-01

2 × 2 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals

Ordering unit 1 item

6ES7193-4CE10-0AA0

Ordering unit 5 items

6ES7193-4CE10-1AA0

TM-P15N22-01

Ordering unit 1 item
2 × 2 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, FastConnect

6ES7193-4CE60-0AA0

TM-P30S44-A0

Ordering unit 1 item
7 × 2 terminals, terminal access to AUX1 bus, AUX1 interrupted to the left, screw-type terminals for PM-E F PROFIsafe

6ES7193-4CK20-0AA0

TM-P30C44-A0

Ordering unit 1 item
7 × 2 terminals, terminal access to AUX1 bus, AUX1 interrupted to the left, spring-loaded terminals for PM-E F PROFIsafe

6ES7193-4CK30-0AA0

I/O systems

ET 200 systems for the control cabinet

ET 200S - I/O modules

Terminal modules for power and electronic modules

Ordering data	Article No.		Article No.
TM-E terminal modules for electronic modules¹⁾		TM-E15C26-A1	6ES7193-4CA50-0AA0
TM-E15S24-A1 Ordering unit 5 items 2 x 4 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals	6ES7193-4CA20-0AA0	Ordering unit 5 items 2 x 6 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals	
TM-E15C24-A1 Ordering unit 5 items 2 x 4 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals	6ES7193-4CA30-0AA0	TM-E15N24-A1 Ordering unit 5 items 2 x 4 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, FastConnect	6ES7193-4CA70-0AA0
TM-E15S24-01 Ordering unit 5 items 2 x 4 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals	6ES7193-4CB20-0AA0	TM-E15N26-A1 Ordering unit 5 items 2 x 6 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, FastConnect	6ES7193-4CA80-0AA0
TM-E15C24-01 Ordering unit 5 items 2 x 4 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals	6ES7193-4CB30-0AA0	TM-E30S44-01 Ordering unit 1 item 4 x 4 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals	6ES7193-4CG20-0AA0
TM-E15S23-01 Ordering unit 5 items 2 x 3 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals	6ES7193-4CB00-0AA0	TM-E30C44-01 Ordering unit 1 item 4 x 4 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals	6ES7193-4CG30-0AA0
TM-E15C23-01 Ordering unit 5 items 2 x 3 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals	6ES7193-4CB10-0AA0	TM-E30S46-A1 Ordering unit 1 item 4 x 6 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals	6ES7193-4CF40-0AA0
TM-E15N23-01 Ordering unit 5 items 2 x 3 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, FastConnect	6ES7193-4CB60-0AA0	TM-E30C46-A1 Ordering unit 1 item 4 x 6 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, spring-loaded terminals	6ES7193-4CF50-0AA0
TM-E15N24-01 Ordering unit 5 items 2 x 4 terminals, no terminal access to AUX1 bus, AUX1 interconnected to the left, FastConnect	6ES7193-4CB70-0AA0	TM-E15S24-AT Ordering unit 1 item for internal temperature compensation with 2 AI TC High Feature, screw-type terminal	6ES7193-4CL20-0AA0
TM-E15S26-A1 Ordering unit 5 items 2 x 6 terminals, terminal access to AUX1 bus, AUX1 interconnected to the left, screw-type terminals	6ES7193-4CA40-0AA0	TM-E15C24-AT Ordering unit 1 item for internal temperature compensation with 2 AI TC High Feature, spring-loaded terminals	6ES7193-4CL30-0AA0

¹⁾ Observe project planning help for selecting the suitable TM-E and TM-P

Overview (continued)

SIPLUS DP TM-E15C24-A1	
Article No.	6AG1193-4CA30-2AA0
BasedOn Article No.	6ES7193-4CA30-0AA0
Ambient temperature range	-25 ... +60 °C
Ambient conditions	Suitable for exceptional exposure to media (e.g. in sulfur chloride atmosphere).
Technical data	The technical data are identical with those of the BasedOn modules.

SIPLUS DP TM-E15C24-A1	
Article No.	6AG1193-4CB30-2AA0
BasedOn Article No.	6ES7193-4CB30-0AA0
Ambient temperature range	-25 ... +60 °C
Ambient conditions	Suitable for exceptional exposure to media (e.g. in sulfur chloride atmosphere).
Technical data	The technical data are identical with those of the BasedOn modules.

SIPLUS DP TM-E15S26-A1	
Article No.	6AG1193-4CA40-2AA0
BasedOn Article No.	6ES7193-4CA40-0AA0
Ambient temperature range	-25 ... +60 °C
Ambient conditions	Suitable for exceptional exposure to media (e.g. in sulfur chloride atmosphere).
Technical data	The technical data are identical with those of the BasedOn modules.

SIPLUS DP TM-E15C26-A1	
Article No.	6AG1193-4CA50-2AA0
BasedOn Article No.	6ES7193-4CA50-0AA0
Ambient temperature range	-25 ... +60 °C
Ambient conditions	Suitable for exceptional exposure to media (e.g. in sulfur chloride atmosphere).
Technical data	The technical data are identical with those of the BasedOn modules.

SIPLUS DP TM-E30C44-01	
Article No.	6AG1193-4CG30-2AA0
BasedOn Article No.	6ES7193-4CG30-0AA0
Ambient temperature range	-25 ... +60 °C
Ambient conditions	Suitable for exceptional exposure to media (e.g. in sulfur chloride atmosphere).
Technical data	The technical data are identical with those of the BasedOn modules.

SIPLUS DP TM-E30C46-A1	
Article No.	6AG1193-4CF50-7AA0
BasedOn Article No.	6ES7193-4CF50-0AA0
Ambient temperature range	-40 ... +70 °C
Ambient conditions	Suitable for exceptional exposure to media (e.g. in sulfur chloride atmosphere).
Technical data	The technical data are identical with those of the BasedOn modules.

SIPLUS DP TM-E15C24-AT	
Article No.	6AG1193-4CL30-7AA0
BasedOn Article No.	6ES7193-4CL30-0AA0
Ambient temperature range	0 ... +70 °C
Ambient conditions	Suitable for exceptional exposure to media (e.g. in sulfur chloride atmosphere).
Technical data	The technical data are identical with those of the BasedOn modules.

Ambient conditions	
Relative humidity	5 ... 100 % Condensation permissible
Biologically active substances	Conformity with EN 60721-3-3, Class 3B2 mold and fungal spores (except fauna)
Chemically active substances	Conformity with EN 60721-3-3, Class 3C4 incl. salt mist and ISA-S71.04 severity level G1; G2; G3; GX ¹⁾²⁾
Mechanically active substances	Conformity with EN 60721-3-3, Class 3S4 including conductive sand, dust ²⁾
Air pressure (depending on the highest positive temperature range specified)	1080 ... 795 hPa (-1000 ... +2000 m) see ambient temperature range 795 ... 658 hPa (+2000 ... +3500 m) derating 10 K 658 ... 540 hPa (+3500 ... +5000 m) derating 20 K

¹⁾ ISA-S71.04 severity level GX: Long-term load: SO₂ < 4.8 ppm; H₂S < 9.9 ppm; Cl < 0.2 ppm; HCl < 0.66 ppm; HF < 0.12 ppm; NH₃ < 49 ppm; O₃ < 0.1 ppm; NO_x < 5.2 ppm limit value (max. 30 min/d); SO₂ < 17.8 ppm; H₂S < 49.7 ppm; Cl < 1.0 ppm; HCl < 3.3 ppm; HF < 2.4 ppm; NH₃ < 247 ppm; O₃ < 1.0 ppm; NO_x < 10.4 ppm

²⁾ The supplied plug covers must remain in place over the unused interface when operated in atmospheres containing corrosive gases!

For further technical documentation on SIPLUS, see:

<http://www.siemens.com/siplus-extreme>