

Overview



- PM-E 24 V DC power module

Technical specifications

Article number	6ES7148-4CA00-0AA0 ET 200PRO, PM-E 24V DC
Supply voltage	
Load voltage 2L+	
• Rated value (DC)	24 V
• Short-circuit protection	Yes; via an exchangeable fuse in the power module
• Reverse polarity protection	Yes; against destruction
Input current	
from load voltage 2L+, max.	3 mA
Current carrying capacity	
max.	10 A; up to 55 °C (on the internal busbars of the ET 200pro)
Power loss	
Power loss, typ.	0.1 W
Interrupts/diagnostics/status information	
Diagnostic functions	Yes
Diagnostic messages	
• Diagnostic information readable	Yes
• missing load voltage	Yes
Diagnostics indication LED	
• Group error SF (red)	Yes
• Load voltage monitoring 24 V DC (green)	Yes

Article number	6ES7148-4CA00-0AA0 ET 200PRO, PM-E 24V DC
Parameter	
Missing load voltage	Potential group of the power module
Potential separation	
between load voltage and backplane bus	Yes
Isolation	
Isolation tested with	707 V DC (type test)
Degree and class of protection	
Degree of protection acc. to EN 60529	
• IP65	Yes
• IP66	Yes
• IP67	Yes
Dimensions	
Width	45 mm
Height	130 mm
Depth	35 mm
Weights	
Weight, approx.	140 g

I/O systems

SIMATIC ET 200 systems without control cabinet

SIMATIC ET 200pro

I/O modules > PM-E power module

Ordering data	Article No.	Article No.
PM-E 24 V DC power module For backfeed and group formation of the 24 V DC load supply for electronic modules within an ET 200pro station	6ES7148-4CA00-0AA0	
Accessories		
CM PM-E ECOFAST connecting module For supplying of 24 V load voltage, 1 ECOFAST Cu connection	6ES7194-4BA00-0AA0	
CM PM-E direct connecting module For backfeed of 24 V load voltage, up to 2 M20 screwed cable glands	6ES7194-4BC00-0AA0	
CM PM-E 7/8" connecting module For backfeed of 24 V load voltage, 1 x 7/8"	6ES7194-4BD00-0AA0	
CM PM-E PP connection module For supplying 24 V load voltage, 2 x push-pull, with spare fuse	6ES7194-4BE00-0AA0	
Spare fuse 12.5 A quick-response, for interface and power modules, 10 items per package unit	6ES7194-4HB00-0AA0	
PROFIBUS ECOFAST hybrid cable, copper Trailing-type cable (PUR casing) with two shielded copper cables for PROFIBUS DP and four copper cores of 1.5 mm ² in cross-section <u>Unassembled</u> • 50 m • 100 m <u>Pre-assembled</u> with ECOFAST male and female connector, fixed length • 1.5 m • 3 m • 5 m • 10 m • 15 m • 20 m	6XV1830-7AN50 6XV1830-7AT10 6XV1830-7BH15 6XV1830-7BH30 6XV1830-7BH50 6XV1830-7BN10 6XV1830-7BN15 6XV1830-7BN20	PROFIBUS ECOFAST hybrid cable, GP Trailing-type cable with 4 x copper cores and 2 x copper cores, shielded, with UL approval Pre-assembled with ECOFAST male and female connector • 1.5 m • 3 m • 5 m • 10 m • 15 m • 20 m 6XV1860-3PH15 6XV1860-3PH30 6XV1860-3PH50 6XV1860-3PN10 6XV1860-3PN15 6XV1860-3PN20
		ECOFAST cable connector, for user assembly Female connector; ordering unit 5 items 6GK1905-0CB00
		PROFIBUS ECOFAST hybrid plug, angled With 2 x shielded copper cores and 4 x 1.5 mm ² copper cores; 5 items; with assembly instructions; female insert 6GK1905-0CD00
		Push-pull cable connector For 1L+/ 2L+, unassembled 6GK1907-0AB10-6AA0
		Cover caps for push-pull female connectors 5 units 6ES7194-4JA50-0AA0
		Accessories for CM PM-E direct
		Power line 5-core, 5 x 1.5 mm ² , trailing type, sold by the meter, minimum order quantity 20 m, maximum order quantity 1,000 m 6XV1830-8AH10
		Accessories for CM PM-E 7/8"
		7/8" connecting cable to power supply 5-core, 5 x 1.5 mm ² , trailing type, pre-assembled with two 7/8" connectors, 5-pin • 1.5 m long • 2.0 m long • 3.0 m long • 5.0 m long • 10 m long • 15 m long 6XV1822-5BH15 6XV1822-5BH20 6XV1822-5BH30 6XV1822-5BH50 6XV1822-5BN10 6XV1822-5BN15
		7/8" cable connector With axial cable outlet • with female insert, 5 per pack 6GK1905-0FB00