SIEMENS

Data sheet 6ES7194-2CA00-0AA0



SIMATIC ET 200AL, voltage distributor PD 24 V DC; 1xM12-L, 4xM8, degree of protection IP67

General information	
Product type designation	PD 24 V DC
Product description	voltage distributor for the distribution of centrally supplied supply voltage to 4x M8 sockets with integrated electronic short-circuit protection
Suitability for use	for supplying the ET 200AL modules with 1L+ and 2L+ voltages
Supply voltage	
Load voltage 1L+	
● Rated value (DC)	24 V
● permissible range, lower limit (DC)	20.4 V
● permissible range, upper limit (DC)	28.8 V
● Reverse polarity protection	Yes
Load voltage 2L+	
● Rated value (DC)	24 V
● permissible range, lower limit (DC)	20.4 V
● permissible range, upper limit (DC)	28.8 V
● Reverse polarity protection	Yes
Input current	
from load voltage 1L+ (unswitched voltage)	15 A
from load voltage 2L+, max.	15 A
Output current	
Output current, max.	15 A; each for 1L+ and 2L+
per output	4 A; each for 1L+ and 2L+
Short-circuit protection	Yes; Electronic
Power loss	
Power loss, typ.	5.5 W
Interrupts/diagnostics/status information	
LED status display	green LED "1L" and "2L" for input and output voltage
Potential separation	
between the load voltages	Yes
Degree and class of protection	
IP degree of protection	IP65/67
Standards, approvals, certificates	
Suitable for safety functions	No
Suitable for safety-related tripping of standard modules	Yes; from FS01
Highest safety class achievable for safety-related tripping of standard modules	
● Performance level according to ISO 13849-1	PL d
● Category according to ISO 13849-1	Cat. 3
● SIL acc. to IEC 62061	SIL 2
● remark on safety-oriented shutdown	https://support.industry.siemens.com/cs/de/en/view/39198632

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Ambient conditions	
Ambient temperature during operation	
● min.	-30 °C
● max.	55 °C
Altitude during operation relating to sea level	
● Ambient air temperature-barometric pressure-altitude	Up to max. 5 000 m, at installation height > 2 000 m additional restrictions, see manual for details
Connection method	
Design of electrical connection at output	4x M8 socket, 4-pin
Type of electrical connection for mains supply line	1x M12 plug, L-coded, 4-pin
● connectable cable cross-section for mains supply line, max.	2.5 mm²
Dimensions	
Width	45 mm
Height	159 mm
Depth	45 mm
Weights	
Weight, approx.	200 g

Classifications

	Version	Classification
eClass	16	27-24-26-92
eClass	14	27-24-26-92
eClass	12	27-24-26-92
eClass	9.1	27-24-26-92
eClass	9	27-24-26-92
eClass	8	27-24-26-92
eClass	7.1	27-24-26-92
eClass	6	27-24-26-92
ETIM	10	EC002584
ETIM	9	EC002584
ETIM	8	EC002584
ETIM	7	EC002584

Approvals / Certificates

General Product Approval

Manufacturer Declaration | China RoHS

General Product Approval | **EMV** | **Maritime application**

Manufacturer Declaration

Maritime application

NK / Nippon Kaiji Kyokai | CCS (China Classification Society) | KR (Korean Register of Shipping)

last modified: 1/7/2026

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