



- 24 V DC supply module for IS1+ CPU modules and 16 I/O modules
- Redundancy of the power module with load sharing possible
- Integrated polarity reversal protection
- Error messages in accordance with NE 107 (overload, excess temperature, maintenance requirements)
- Support of FDT/DTM and Webserver for integration in asset management systems
- Extended ambient temperature range -40 °C to +75 °C

06 b

WebCode 9445A



The 9445/35 power module is used for intrinsically safe power supply to the 9442/35 CPU and up to 16 I/O modules. The auxiliary power connection is established using an extendable terminal with unconnected cable end (accessories). Up to two 9445/35 power modules can be connected to a 9496/35 base to provide a redundant power supply for the 9442/35 CPU and the I/O modules. The 9445/35 power module monitors itself and reports notifications to the control system and asset management systems when there is an overload, the ambient temperatures are too high or the end of the service life has been reached

	NEC® 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface		•		•		•
Installation in		•				

	CEC Section 18					
	NEC® 505			NEC® 506		
	Class I					
Zone	0	1	2	20	21	22
Ex interface			•			
Installation in			•			

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Ex interface			•			
Installation in			•			

Selection Table			
Installation	Zone 2 / Cl. I, II, Div. 2		
Auxiliary power nominal voltage	Product Type	Art. No.	
24 V DC	9445/35-12	257290 ▲	
Please order the 9442/35 CPU, 9496/35 base and 24 V auxiliary power set (see accessories) separately.			

Technical Data	
Explosion Protection	
Certificate FMus	FM17US0332X
Certificate cFM	FM16CA0134X
Marking FMus	NI; Class I, Div. 2, Groups A,B,C,D; Class I, Zone 2, AEx ec [ia Ga, ib Gb] IIC T4 Gc; Ta = -40°C ... +75°C; See Doc. 9442 6 031 002 1
Marking cFM	NI; Class I, Div. 2, Groups A,B,C,D; Class I, Zone 2, Ex ec [ia Ga, ib Gb] IIC T4 Gc; Ta = -40°C ... +75°C; See Doc. 9442 6 031 002 1
IECEX gas explosion protection	Ex ec [ia Ga, ib Gb] IIC T4 Gc
Certificates	ATEX (PTB), Canada (FM), EAC (Sertium), IECEX (PTB), USA (FM)
Auxiliary Power	
Auxiliary power voltage range	19 ... 32 V DC
Polarity reversal protection	Yes
Auxiliary power	Connection: 2-pole via a pluggable terminal with a 3 m single core

Technical Data	
Auxiliary Power	
Redundancy	Yes (by using two power modules)
Ambient Conditions	
Ambient temperature °F	-40°F ... +149°F (without mounting plate) -40°F ... +158°F with 3 mm mounting plate sheet steel -40°F ... +167°F (with 6 mm mounting plate aluminium)
Ambient temperature °C	-40°C ... +65°C (without mounting plate) -40°C ... +70°C with 3 mm mounting plate sheet steel -40°C ... +75°C (with 6 mm mounting plate aluminium)
Storage temperature °F	-40°F ... +176°F
Storage temperature °C	-40°C ... +80°C
Mechanical Data	
Degree of protection IP (IEC 60529)	IP30

Accessories				
Figure	Description	Product Type	Art. No.	Weight lb
Connection set				
	Power supply set 24 V (3 m)	-	261232 ▲	0.22
Series 9496/35 - Socket for CPU & Power Module				
	Zone 2 / Div. 2 simplex, 3 slots for mounting / installing 1 x CPU and 2 x power module or 2 x CPU und 1 x power module Dimensions: approx. L = 167 mm, W = 96 mm, H = 50.6 mm	9496/35-03-00	246871 ▲	0.88
	Zone 2 / Div. 2 redundant, 4 slots for mounting / installing 2 x CPU and 2 x power module Dimensions: approx. L = 167 mm, W = 152 mm, H = 50.6 mm	9496/35-04-00	262392	1.32

**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**



