

Analog I/O

Outputs

Rated data



Version	AO 2, 12 bits, 0 ... 10 V	AO 4, 12 bits, 0 ... 10 V	AO 2, 12 bits, 0/4 ... 20 mA	AO 4, 12 bits, 0/4 ... 20 mA
Order designation	EPM-S500	EPM-S501	EPM-S502	EPM-S503
Function	2 analog outputs, voltage	4 analog outputs, voltage	2 analog outputs, current	4 analog outputs, current
Current supply				
Backplane bus current consumption	80 mA	80 mA	80 mA	80 mA
I/O supply current consumption	35 mA	35 mA	55 mA	95 mA
Electrical isolation	500 V between backplane bus and I/O level	500 V between backplane bus and I/O level	500 V between backplane bus and I/O level	500 V between backplane bus and I/O level
Signal				
Number of inputs/outputs	-/2	-/4	-/2	-/4
Signal	0 ... 10 V DC	0 ... 10 V DC	0/4 ... 20 mA	0/4 ... 20 mA
Resolution	12 bits	12 bits	12 bits	12 bits
Usage error margin	+/- 0.3 %	+/- 0.3 %	+/-0.4 % at 0 ... 20 mA, +/-0.5 % at 4 ... 20 mA	+/-0.4 % at 0 ... 20 mA, +/-0.5 % at 4 ... 20 mA
Basic error margin (at 25 °C)	+/- 0.2 %	+/- 0.2 %	+/-0.2 % at 0 ... 20 mA, +/-0.3 % at 4 ... 20 mA	+/-0.2 % at 0 ... 20 mA, +/-0.3 % at 4 ... 20 mA
D/A conversion time	2 ms (all channels)	2 ms (all channels)	2 ms (all channels)	2 ms (all channels)
Communication				
Width in the input process image	4 bytes	8 bytes	4 bytes	8 bytes
Parameter data (PROFIBUS/PROFINET)	8 bytes	10 bytes	8 bytes	10 bytes
Status display				
Module status	Ready for operation/error	Ready for operation/error	Ready for operation/error	Ready for operation/error
Signal status	1 LED per channel (overload, short circuit, parameterisation error)	1 LED per channel (overload, short circuit, parameterisation error)	1 LED per channel (overload, short circuit, parameterisation error)	1 LED per channel (overload, short circuit, parameterisation error)
General				
Scope of supply	I/O compound module (base module + electronic module)	I/O compound module (base module + electronic module)	I/O compound module (base module + electronic module)	I/O compound module (base module + electronic module)
Packaging unit	1	1	1	1
Enclosure	IP20	IP20	IP20	IP20
Dimensions (height x width x depth)	100 x 12.5 x 76	100 x 12.5 x 76	100 x 12.5 x 76	100 x 12.5 x 76
Weight	0.06 kg	0.06 kg	0.06 kg	0.06 kg
Wiring diagram				