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Data sheet 6MF2805-0AA00



Figure similar

CP-8050 Master Module

General technical data	
consumed active power / rated value / maximum	4 500 mW
surge voltage / rated value	4 kV
surge voltage resistance	2.5 kV
processor clock frequency	800 MHz
product feature / redundancy capability through firmware expansion	Yes
storage capacity / of the RAM	512 Mbyte
storage capacity / of the flash memory	4 Gbyte
product component / hardware real time clock	Yes
accuracy [ppm] / of the hardware real time clock	5 ppm
buffer time / of the hardware real time clock / in case of power failure	72 h
Product details	
time resolution	1 ms
number of local IO modules / maximum	128
number of allowable IO lines / maximum	16
number of data points / maximum	400 000
Measuring functions	
sampling interval	10 ms
Supply voltage	
type of voltage / of the supply voltage	DC
Inputs / Outputs	
number of digital inputs	0
number of isolated output groups	1
number of digital outputs	2
design of the digital output	relais
type of voltage / at digital output	DC
voltage / at DC / per output	24 ... 60 V
voltage / per output	18 ... 70 V
consumed current / per output	1 000 mA
switching capacity apparent power / at AC / at 50 Hz	30 V·A
switching capacity active power / at DC	6 ... 30 W
product function / galvanic isolation of the outputs	Yes
Communication	
protocol / to the substation as client / is supported / IEC 60870-5-104	Yes
protocol / to the higher-level station as server / is supported / IEC 60870-5-104	Yes

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protocol / to the substation as master / is supported / IEC 60870-5-103	Yes
protocol / is supported / IEC 60870-5-103 as device	Yes
protocol / to the substation as master / is supported / IEC 60870-5-101	Yes
protocol / is supported / IEC 60870-5-101 as device	Yes
protocol / to the substation as client / is supported / IEC 61850	Yes
protocol / to the higher-level station as server / is supported / IEC 61850	Yes
protocol / at the point-to-point connection / is supported / Modbus RTU as master	Yes
protocol / is supported / Modbus RTU device	Yes
protocol / is supported / Modbus TCP as client	Yes
protocol / is supported / Modbus TCP as server	Yes
protocol / is supported / DNP 3.0 serial as master	Yes
protocol / is supported / DNP 3.0 serial as device	Yes
protocol / is supported / DNP 3.0 TCP as client	Yes
protocol / is supported / DNP 3.0 TCP as server	Yes
protocol / is supported / PROFIBUS DP as master	Yes
protocol / is supported / PROFINET as master	Yes
type of mobile wireless service / is supported / GPRS	No
number of protocols / for standard application / maximum	4
number of protocols / through firmware expansion	4
number of ports / of the Ethernet interface	2
number of interfaces / serial	2
Cybersecurity	
type of communication security / Secure 104 according to IEC 62351-3	Yes
type of access control / role-based access control (RBAC)	Yes
type of system monitoring / according to SNMP	Yes
product function / logging via Security Eventlog	Yes
service / as web server / HTTPS	Yes
product feature / configurable firewall	Yes
product function / firmware identifier	Yes
Time synchronization	
time synchronization / via telecontrol protocol	Yes
time synchronization / via NTP/SNTP	Yes
time synchronization / via IRIG-B	Yes
product feature / time synchronization via IEEE 1588	Yes
Mechanical Design	
width	30 mm
height	132 mm
depth	124 mm
product feature / conformal coating	No
product feature / with display	No
fastening method / DIN-rail mounting	Yes
fastening method / wall mounting	No
fastening method / rack mounting	No
type of electrical connection	screw terminal
connectable conductor cross-section	0.2 ... 2.5 mm²
material / of the enclosure	plastic
product feature / plug-in terminal blocks	Yes
product function / with function display	Yes
product function / status display	Yes
Degree of protection / protection class	
operating resource protection class	III
degree of pollution	2
protection class IP / on the front	IP20
Environmental conditions	
ambient temperature / during operation	-25 ... +70 °C

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ambient temperature / during storage	-30 ... +85 °C
relative humidity	5 ... 95 %
mounting height in relation to mean sea level / maximum	3 000 m
air pressure / maximum	106 kPa
Approval certification	
certificate of suitability / CE marking	Yes
certificate of suitability / UL approval	Yes
Further information	

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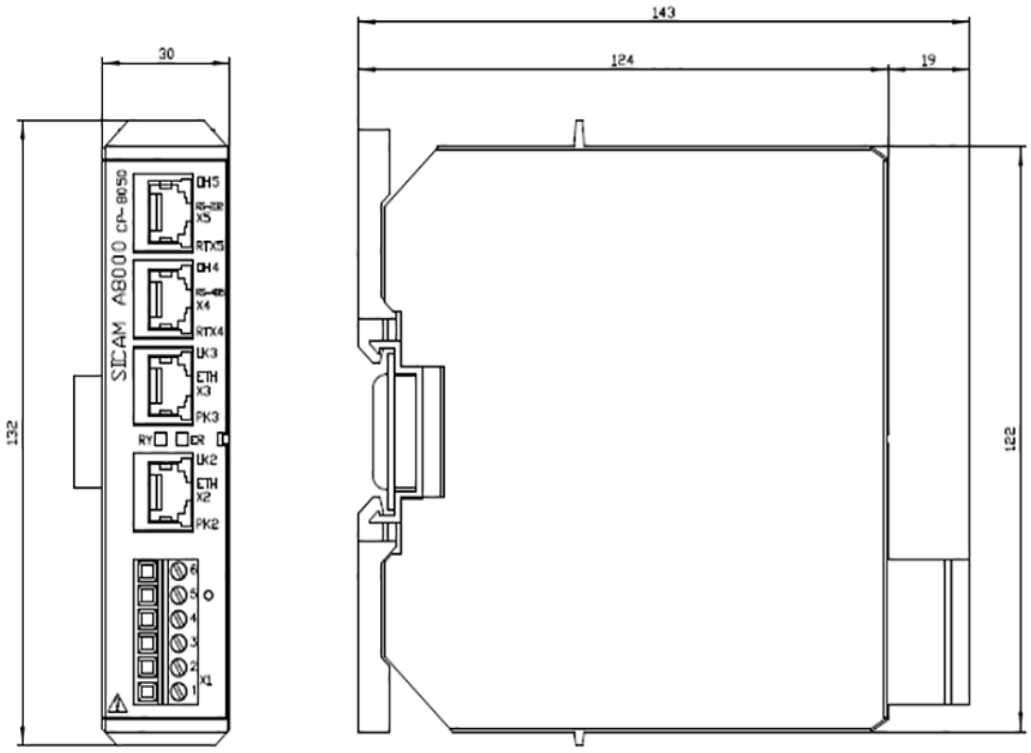
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