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Data sheet 6AT8000-1EB00-3XA0



SIPLUS CMS-Hardware MCN11 "Media converter node;" 1 opt. and 1 electr. "interfaces;" "UW=24 V DC; IP67"

General information	
Product type designation	MCN11
Product description	MCN11 physically converts data to be transferred from one medium (electric) to another (optic) and vice versa. MCN11 can span distances from 4.5 meters to 500 meters.
Installation type/mounting	
Mounting type	standard rail
Mounting accessories	Mounting bracket, can be ordered as option
Required clearance	
● for side-by-side mounting at the front	80 mm
● for side-by-side mounting at the top	25 mm
● for side-by-side mounting at the back	25 mm
Power	
Active power input, max.	0.6 W
Interfaces	
Number of IEEE 1394a interfaces	1
● Transmission rate	400 Mbit/s
● Design of plug-in connection	Male connector 8-pole (M12)
Number of IEEE 1394b interface, optical	1
● Transmission rate	400 Mbit/s
● Design of plug-in connection	Duplex SC 62.5 / 125 µm multimode fiber (MMF)
● Wavelength	850 nm
Protocols	
IEEE 1394a	Yes
IEEE 1394b optical	Yes
Degree and class of protection	
IP degree of protection	IP67
Standards, approvals, certificates	
Certificate of suitability	CE
CE mark	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
Use in hazardous areas	
● ATEX	Yes
● IECEx	Yes
Ambient conditions	
Ambient temperature during operation	

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● min.	0 °C
● max.	65 °C
Ambient temperature during storage/transportation	
● Storage, min.	-40 °C
● Storage, max.	85 °C
● Transportation, min.	-40 °C
● Transportation, max.	85 °C
Cables	
Design of the data cable	Pre-assembled 8-pole cable with shield
Design of FOC fiber	50 / 125 µm MMF up to 500 m length, 62.5 / 125 µm MMF up to 220 m length
Connection method	
Design of electrical connection for the PE conductor	M4 screw on the front panel: SHIELD
Mechanics/material	
Material of housing	aluminum
Dimensions	
Width	46 mm
Height	160 mm
Depth	56 mm
Depth when mounted on DIN rail	65 mm
Weights	
Weight (without packaging)	0.46 kg

Classifications

	Version	Classification
eClass	16	27-20-14-13
eClass	14	27-20-14-13
eClass	12	27-20-14-13
eClass	9.1	27-20-14-13
eClass	9	27-20-14-13
eClass	8	27-20-14-04
eClass	7.1	27-20-14-04
eClass	6	27-20-14-04
ETIM	10	EC002960
ETIM	9	EC002960
ETIM	8	EC002960
ETIM	7	EC002960
IDEA	4	6306
UNSPSC	15	41-11-36-39

Approvals / Certificates

General Product Approval	EMV

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