AS-i Speed Monitor for sinus/cosine Encoder and AS-i Speed Monitor for HTL-Encoder or sensors

Supplied out of AS-i and external 24V

Chip card

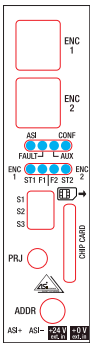
The Speed Monitor controls the speed of maximum two axis and gives a sure signal to the AS-i Bus, when the speed is below a preset threshold.

Article no.	ASSM-2A-SINCOS / ASSM-2A-HTL
Connection	
Connection	4-fold COMBICON clamp and 2 AMP Mini-IO plug connections
AS-i	
Profile	safe input slaves: S-0.B.E., ID1=F diagnostic slaves: S-7.A.5., ID1=7 (default)
Voltage	18 - 31,6V
Max. current consumption	150mA
AUX	
Voltage	18 - 30V
Input	
Number	2 x encoder
Parameterisation range for the speed limit	2Hz - 200kHz
Display	
LED 1 ASI (green)	AS-i voltage present
LED 2 FLT (red)	offline
LED 3 AUX (green)	24V DC AUX present
LED 4 CONF (yellow)	OFF = Normal mode
LED 5 ST1 (yellow)	state encoder 1 (ENC 1)
LED 6 F1 (yellow)	safety, low frequency or zero-speed axis 1
LED 7 F2 (yellow)	safety, low frequency or zero-speed axis 2
LED 8 ST2 (yellow)	state encoder 2 (ENC 2)
Environment	
Applied standards	EN 62 061:2005 SIL 3 EN 954-1 cat 4 EN ISO 13 849-1:2008/PLe
Housing	Phoenix-ME-MAX housing
Storage temperature	0°C ... +55 °C
Operating temperature	-25°C ... +85 °C
Protection class DIN 60 529	housing IP20 (only suitable for use in electrical operating rooms / control cabinets with IP54 minimum protection rating)
Tolerable loading referring to humidity	according to EN 61 131-2
Dimensions (W / H / D in mm)	22,5 / 99,6 / 114

Article no.	ASSM-2A-SINCOS	ASSM-2A-HTL
Input		
Input type	sinus/cosine	HTL
Input level	–	High-level-HTL: 16V ... 28,8V
Supply of the inputs	internal 5V (100mA max.), external 5V	external 24V
AUX		
Max. current consumption	200mA	50mA

ASSM-2A-SINCOS / ASSM-2A-HTL Used designations on front foil:					
ENC 1	ENC 2	S1, S2, S3	CHIP CARD	PRJ	ADDR
Encoder 1	Encoder 2	Function selector switch	Chip card	Projecting button	Address socket

Connections, switches, chip card:



Terminal assignment: