

SIPLUS CMS2000 VIB-MUX 8 IEPE input channels in MULTIPLEX mode are switched to one output channel Control via the system interface max. 2 VIB-MUX modules per Basic Unit VIB can be used



General information	
Product brand name	SIPLUS
Product description	Up to two SIPLUS CMS2000 VIB-MUX expansion modules can be connected to the SIPLUS CMS2000 Basic Unit VIB. Up to 8 IEPE vibration channels can be connected for each expansion module.
Functional principle	Multiplexing of analog IEPE signals
Installation type/mounting	
Mounting type	standard rail
Mounting position	vertical
Recommended mounting position	vertical
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
Power	
Active power input, max.	2.4 W
Power loss	
Power loss, typ.	0.05 W

Digital outputs	
Number of digital outputs	1
Sensor input	
Number of IEPE sensor inputs	8
Number of MEMS sensor inputs	0
Interfaces	
SIMOCODE interface	Yes
Integrated Functions	
Measuring functions	
• Physical measuring principle	Vibration acceleration
Measuring range	
— Measurement range vibration frequency, min.	2 Hz
— Measurement range vibration frequency, max.	10 000 Hz
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
Certificate of suitability	CE, UL 508, CSA C22.2 Nr.142, C-TICK (RCM)
CE mark	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
Reference designation according to DIN EN 61346-2	P
Reference designation according to DIN 40719 extended according to IEC 204-2, according to IEC 750	P
Ambient conditions	
Ambient temperature during operation	
• min.	-20 °C
• max.	65 °C
Ambient temperature during storage/transportation	
• Storage, min.	-25 °C
• Storage, max.	85 °C
• Transportation, min.	-25 °C
• Transportation, max.	85 °C
Relative humidity	
• Operation without condensation, min.	5 %
• Operation without condensation, max.	95 %

Connection method	
Design of electrical connection for the inputs and outputs	Screw connection
Design of electrical connection for auxiliary and control circuit	Screw connection
<ul style="list-style-type: none"> • Connectable conductor cross-section, solid or stranded, min. 	0.5 mm ²
<ul style="list-style-type: none"> • Connectable conductor cross-section, solid or stranded, max. 	4 mm ²
<ul style="list-style-type: none"> • Connectable conductor cross-section, finely stranded with end sleeve, min. 	0.5 mm ²
<ul style="list-style-type: none"> • Connectable conductor cross-section, finely stranded with end sleeve, max. 	2.5 mm ²
<ul style="list-style-type: none"> • Connectable cable cross-section finely stranded without end sleeve, min. 	0.5 mm ²
<ul style="list-style-type: none"> • Connectable cable cross-section finely stranded without end sleeve, max. 	2.5 mm ²
Terminals	
<ul style="list-style-type: none"> • Removable terminal for main circuit 	Yes
<ul style="list-style-type: none"> • Removable terminal for auxiliary and control circuit 	Yes
Mechanics/material	
Material of housing	plastic
Dimensions	
Width	45 mm
Height	106 mm
Depth	124 mm
Weights	
Weight, approx.	0.27 kg
last modified:	09/12/2019