

PSSu, electronic module, standard, analogue inputs and outputs, 2 inputs, thermocouples with letter codes R, S, B, J, T, E, K, N, voltage with ranges -30 - 30 mV, -60 - 60 mV, -120 - 120 mV, reference temperature via special base modules using integrated Pt1000.

Technical details

General data	
Approval:	CE, cULus Listed, TÜV
Application range:	Standard
Technical data	
Analog inputs	
Number of analogue inputs:	2
Type of analogue inputs:	Thermocouple
Signal range analog input:	Type N, Type R, Type B, Type S, Type T, Type E, Voltage, Type J, Type K
Analog input signal type 1:	Type R
Analog input Signal range 1:	-50 - 1768 °C
Analog input signal type 2:	Type S
Analog input Signal range 2:	-50 - 1768 °C
Analog input signal type 3:	Type B
Analog input Signal range 3:	600 - 1820 °C
Analog input signal type 4:	Type J
Analog input Signal range 4:	-210 - 1200 °C
Analog input signal type 5:	Type T
Analog input Signal range 5:	-200 - 400 °C
Analog input signal type 6:	Type E
Analog input Signal range 6:	-200 - 1000 °C

Analog input signal type 7:	Type K
Analog input Signal range 7:	-200 - 1372 °C
Analog input signal type 8:	Type N
Analog input Signal range 8:	-200 - 1300 °C
Analog input signal type 9:	Voltage
Analog input Signal range 9:	+/-30 mV
Analog input signal type 10:	Voltage
Analog input Signal range 10:	+/-60 mV
Analog input signal type 11:	Voltage
Analog input Signal range 11:	+/-120 mV
Type of input filter:	Digital filter
Damping of input filter 1:	90 dB (60 Hz)
Value least signif. bit U-Me:	2 µV (+/-60 mV), 4 µV (+/-120 mV), 1 µV (+/-30 mV)
Conversion method analog i/p:	Delta sigma
Pot. isolation analog inp./:	Yes
Inputs	
Potential isolation inputs:	yes
Environmental data	
Climatic suitability to:	EN 60068-2-30, EN 60068-2-2, EN 60068-2-1, EN 60068-2-78, EN 60068-2-14
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	0 - 60 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-30, EN 60068-2-78
Humidity rating:	93 % r. h. at 40 °C
Condensation permitted?:	Not permitted
Perm. operating height ASL:	2000 m
EMC to standard:	EN 61131-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-2, EN 61000-4-3
Vibration to standard:	EN 60068-2-6

Acc. shock to standard1:	15g
Clearance & creepage dist. to:	EN 60664-1, EN 61131-2
Overvoltage category:	II
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
Mechanical data	
Housing material lower section:	PC
Housing material front plate:	PC
Housing material code:	PA
Height dimension:	76 mm
Width dimension:	12.6 mm
Depth dimension:	60.2 mm
Net weight:	35 g
Gross weight:	44 g
Name of coding element:	H
Colour of coding element:	Dark grey
Environment	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27242601
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000024

Obligatory accessories



312612

PSSu BP-C 1/8 S-J



312603

PSSu BP 1/8 C-J



312613

PSSu BP-C 1/8 C-J



312602

PSSu BP 1/8 S-J

Optional accessories



312900

PSSu A ET (10 pcs.)



312902

PSSu A EC



312967

PSSu A LA0.1 (10 x 108 pcs.)



312901

PSSu A ETM (2 pcs.)



312958

PSSu A LA0 (10 x 108 pcs.)



312949

PSSu A ET PE (10 pcs.)
