

PSSu K F EI CV-T

314434



PSSu, compact module, failsafe, counter, safe motion monitoring, recording position counter value, 2 outputs, failsafe, 0.5 A, single-pole, positive-switching, short circuit-proof overload-proof, free from feedback, 1 output, standard, 0.5 A, single-pole, positive-switching, shortcircuit-proof, 1 combined input and output CIO for cascading, standard, 1 input for encoder, Mini-IO female connector, 8-pin, 2 inputs for proximity switch, for increased environmental requirements.

Technical details

General data	
Approval:	CE, UKCA, cULus Listed, TÜV, EAC (Eurasian)
Application range:	Failsafe
Technical data	
Electrical data	
Purpose of U1:	Module supply
Supply voltage (V):	5 - 5 V
Type of supply voltage U1:	DC
Power consumption DC:	1.1 W
Purpose of U2:	Periphery supply
Supply voltage 2 (V):	24 - 24 V
Type of supply voltage U2:	DC
Tolerance of U2:	-30 %/+25 %
Type of supply voltage U3:	DC
Tolerance of U3:	-30 %/+25 %
Input proximity switch	
Prog. mon.fun. wo hyst prox sw:	0.1 Hz - 5 kHz
Input incremental encoder	
Connection (increment encoder):	8-pin Mini-IO female connector
Evaluation counter puls incr.:	1x, 4x

Phase pos. diff.sign. inc.enc.:	90° ±30°
Prog. mon. fun. wo hyst. incr.:	0.1 Hz - 500 kHz
Semiconductor outputs	
Potential isolation S/C O:	Yes
Potent. isol. S/C O to I:	Yes
S/C output short circuit proof:	Yes
Perm. load 1pole Output:	Resistive, Inductive, Capacitive
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:	-40 - 70 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-78
Humidity rating:	93 % r. h. at 40 °C
Condensation permitted?:	Briefly
Perm. operating height ASL:	5000 m
EMC to standard ...:	EN 12015, EN 61131-2, EN 12016, EN 61000-6-2, EN 61000-6-4
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	150 m/s ²
Clearance & creepage dist. to:	EN 61131-2
Overvoltage category:	II
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
Times	
Reaction time over limit value:	1/f _{actual} + 10ms
Mechanical data	
Housing material lower section:	PC
Housing material front plate:	PC

Connection terminal:	Connector strip
Terminal style:	plug-in
Height dimension:	128.9 mm
Width dimension:	56 mm
Depth dimension:	56 mm
Net weight:	150 g
Gross weight:	165 g
Environment	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85389091
UNSPSC 25:	39122331
EAN-Code:	4046548087116
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242604
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC001599
Volume:	0.537 dm ³

Obligatory accessories

313114

PSSu A Con Set1 C

