Product data sheet Characteristics

XCMD2510AM4

limit switch XCMD - metal end plunger - 1NC +1NO - slow - AMP 4P



Main

Range of productOsiSense XCSeries nameStandard formatProduct or component typeLimit switchDevice short nameXCMDSensor designMiniatureBody typePlug-in bodyHead typePlunger headMaterialMetalBody materialZamakHead materialZamakFixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contact sype and composition1 NC + 1 NOContact operationSlow-break	Main		
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Sensor designMiniatureBody typePlug-in bodyHead typePlunger headMaterialMetalBody materialZamakHead materialZamakFixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Product or component type	Limit switch	
Body typePlug-in bodyHead typePlunger headMaterialMetalBody materialZamakHead materialZamakFixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Device short name	XCMD	
Head typePlunger headMaterialMetalBody materialZamakHead materialZamakFixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Sensor design	Miniature	
MaterialMetalBody materialZamakHead materialZamakFixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Body type	Plug-in body	
Body materialZamakHead materialZamakFixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Head type	Plunger head	
Head materialZamakFixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Material	Metal	
Fixing modeBy the bodyMovement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Body material	Zamak	
Movement of operating headLinearType of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Head material	Zamak	
Type of operatorSpring return plunger metalType of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Fixing mode	By the body	
Type of approachLateral approach 2 directionsNumber of poles2Contacts type and composition1 NC + 1 NO	Movement of operating head	Linear	
Number of poles 2 Contacts type and composition 1 NC + 1 NO	Type of operator	Spring return plunger metal	
Contacts type and composition 1 NC + 1 NO	Type of approach	Lateral approach 2 directions	
	Number of poles	2	
Contact operation Slow-break	Contacts type and composition	1 NC + 1 NO	
	Contact operation	Slow-break	

Complementary

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Switch actuation	By 30° cam	tor a
Electrical connection	Male connector AMP connector, 4 pins	substitute
Contacts insulation form	Zb	a subs
Positive opening	With	as a
Positive opening minimum force	42.5 N	ot intended
Minimum force for tripping	8.5 N	ot int
Maximum actuation speed	0.5 m/s	<u>s</u> .
[le] rated operational current	1 A at 24 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A 3 A at 24 V, AC-14	do documentation
[Ithe] conventional enclosed thermal current	6 A	his docu
[Ui] rated insulation voltage	36 V degree of pollution 3 conforming to IEC 60947-5-1	 שני: ח
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3	isclaimer:

[Uimp] rated impulse withstand voltage	0.8 kV conforming to IEC 60664 0.8 kV conforming to IEC 60947-1
Short-circuit protection	6 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13, 24 V, 3 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	1000000 cycles
Width	32 mm
Height	78 mm
Depth	16 mm
Product weight	0.09 kg

Environment

Shock resistance	25 gn (duration = 18 ms) conforming to IEC 60068-2-27
Vibration resistance	5 gn (f = 10500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP69 conforming to IEC 60529 IP66 conforming to IEC 60529
IK degree of protection	IK06 conforming to EN 62262
Electrical shock protection class	Class III conforming to IEC 61140 Class III conforming to NF C 20-030
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4070 °C
Protective treatment	TC
Product certifications	CCC cURus
Standards	EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14

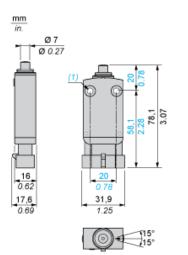
Warranty period

18 months

Product data sheet Dimensions Drawings

XCMD2510AM4

Dimensions



(1): 2 fixing holes \emptyset 4.2 mm, counterbored \emptyset 8 mm by 4 mm deep.

XCMD2510AM4

Connections and Schema

Wiring Diagram

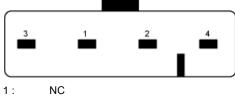
2-pole NC + NO break before make, slow break



XCMD2510AM4

Connections and Schema

AMP Superseal 1.5 Male Connector



NC 2 :

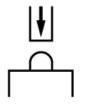
3 : 4 : NO NO Product data sheet

XCMD2510AM4

Technical Description

Technical Description

Characteristics of Actuation Switch Actuation on End

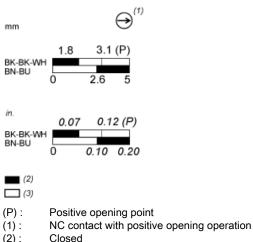


XCMD2510AM4

Technical Description

Technical Description

Functional Diagram, Travel Distance



Closed (2):

(3): Open

ΒŔ : Black

BK-WH : Black White

BU : Blue BN : Brown

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