

N1AR514AM–MC2222 (Order no. 103247)

Single limit switch N1AR, roller plunger, steel roller \varnothing 5 mm, cable entry M16 x 1.5

- ▶ Roller plunger, steel roller \varnothing 5 mm
- ▶ Housing according to DIN 43693
- ▶ 2 x cable entry M16 x 1.5
- ▶ 1 pos. driven contact
- ▶ 1 NO contacts
- ▶ Plunger material stainless steel
- ▶ Low temperature down to -30°C
- ▶ With silicone diaphragm (internal and external) and low temperature grease



Approach direction



Horizontal

Can be adjusted in 90° steps

Switching element

514 Snap-action switching contact, 1 positively driven contact $\ominus \rightarrow$ + 1 NO contact

Low temperature

Version C2222 with silicone membrane and low temperature grease.

Technical data

Approvals



Electrical connection values

Fuse	max. 6 A gG	
Connection cross section	0.34 ... 1.5 mm ²	
Rated insulation voltage U _i	250 V	
Rated impulse voltage U _{imp}	4 kV	
Utilization category		
	AC-15	2.5 A 230 V
	DC-13	6 A 24 V
Switching current		
	min. at DC 24V	5 mA
thermal rated current I _{th}	10 A	

Mechanical values and environment

Anfahrsgeschwindigkeit	0.01 ... 80 m/min	
Connection type		
	2 x	M16 x 1.5
Number of switching elements	1	
Number of NO contacts	1	
Number of positively driven contacts	1	
Design	Housing according to DIN 43693	
Actuating element	Roller plunger	
Actuating force	min. 30 N	
Installation orientation	any	
Storage temperature	-30 ... 80 °C	
Mechanical life	1 x 10 ⁶	
Contact bounce time	max. 3 ms	

Roller diameter	5 mm
Switching principle	Snap-action switching contact
Schließzeit	max. 5 ms
Degree of protection	IP67
Ambient temperature	-30 ... 80 °C
Material	
	Housing Anodized die-cast alloy
	Contact Silver alloy, gold flashed

Characteristic values according to EN ISO 13849-1 and EN IEC 62061

Monitoring of the guard position	
B _{10D}	20 x 10 ⁶

Miscellaneous

C number	C2222
Additional information	<p>Exterior diaphragm = AM.</p> <p>(The exterior diaphragm provides additional protection for the plunger guide. Plunger sticking, primarily caused by resinous lubricating coolants, can be prevented by this AM version.)</p>