

Plastic bodied limit switch Series IN65

Description **IN65-SE2 RK KV0.3**

Article number **6183000242**

Operating symbol

Pin 1 - 13 14 - Pin 2
Pin 3 - 23 24 - Pin 4

Operating diagram

Legend:
 ON
 OFF
Tolerance:
Operating point ± 0,25 mm;
Operating force ± 10 %

AMP-Plug

Fixed positioning with e.g. fixing screw M5 according to the standard DIN EN ISO 4762.

	m/s	0,1	0,5	1	2	5
A	20°	20°	10°	5°	-	-
B	20°	20°	10°	5°	-	-

Electrical Data		
Rated operational voltage	U_e	24 V DC
Overvoltage category		II acc. EN 60947-1 annex H table H1
Minimum current		1 mA
Utilization category		DC 13, U_e/I_e 24 V / 1,5 A
Short-circuit protective device		Fuse 4 A gG
Max. contact resistance		25 mOhm (unused)
Protection class		II, totally insulated

Mechanical data		
Enclosure		Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover		Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator		Roller (Thermoplastic)
Actuating force	F_B	$10\text{ N} \leq F_B \leq 30\text{ N}$
Operating temperature		-30 °C ... +80 °C (fixed cable) -15 °C ... +70 °C (cable occasionally moves)
Storage temperature		-40 °C ... +80 °C
Protection type		IP66 / IP67 acc. EN 60529
Pollution degree (built-in switch)		3
Contact material		silver
Device Class (built-in switch)		Category E (MC3+CC2+SC1) acc. EN 60947-1 annex Q
Contact type		2 N.O. (Form Zb)
Operating rate	V	$0,06\text{ m/min} \leq V \leq 30\text{ m/min}$
Bounce duration	ms	< 3 ms
Switchover time	ms	< 8 ms
Switching frequency		$\leq 60 / \text{min.}$
Mechanical life		15×10^6 operating cycles
Mission time switch		≤ 20 years
Connection		Cable $4 \times 0,75\text{ mm}^2 \times 300\text{ mm}$, gray, halogen free with AMP SUPERSEAL Serie 1.5 plug
Weight		$\approx 0,4\text{ kg}$
Installation position		operator definable

Actuation
<p>The actuating device is preferably started from 2 sides. By lifting the clamp the actuation assembly can be rotated in 45° increments such that 8 actuation directions are possible. The actuation assembly is to be again fastened to the housing by lowering the clamp.</p>

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2011/65/EU (RoHs)

Notes
<p>The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent connector. The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures. The connector must not be connected or disconnected when voltage is applied.</p>