

8074/1-.-AR Art. No. 132399



- Large selection of actuating elements, all actuators can be repositioned by 4 x 90°
- Suitable for safety circuits in accordance with IEC/EN 60947-5-1, dimensions and functional measures in accordance with EN 50041
- Metal version (available as a belt alignment switch for monitoring and shutting down belts that are out of alignment)

WebCode **8074A**



R. STAHL's 8074 series metal position switches comprise a flame-proof contact element with positive-opening contacts. The dimensions comply with EN 50047. These switches are largely oil- and petrol-resistant. Their robust zinc die-cast enclosure makes them suitable for use in lift, machinery and systems engineering, as well as materials handling, including for safety circuits in accordance with IEC/EN 60947-5-1.

### Technical Data

#### Explosion Protection

Scope of validity	IECEX
Application range (zones)	1 2 21 22
ATEX gas certificate	BVS 05 ATEX E 007
ATEX gas explosion protection	⊕ II 2 G Ex de IIC T6/T5 Gb
ATEX dust certificate	BVS 05 ATEX E 007
ATEX dust explosion protection	⊕ II 2 D Ex tD A21 T80 °C ... T95 °C Db

#### Electrical Data

DC rated operational voltage	230 V
AC operating voltage (equal potential)	0 V
AC operating voltage (unequal potential)	0 V
Mechanical service life	≥ 1 x 10 <sup>6</sup> operating cycles
Actuating time	0
Rated surge voltage	0 kV
Short-circuit protection, max.	6 A
Tripping characteristic	time-lag
Maximum operating frequency	1800 operating cycles/h
Contact element	

#### Ambient Conditions

Ambient temperature	-20 °C ... +40 °C (IIC T6) (T80 °C) -20 °C ... +60 °C (IIC T5) (T95 °C)
---------------------	--

#### Mechanical Data

Version	Roller (moulded material)
---------	---------------------------

8074/1-.-AR Art. No. 132399

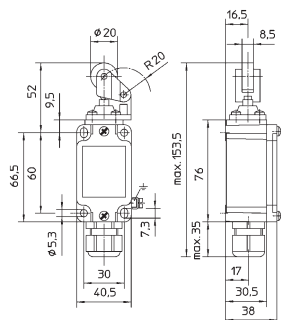
### Mechanical Data

Degree of protection (IP)	IP67
Degree of protection note	according to IEC/EN 60529
IP degree of protection (IEC 60529)	IP67
Enclosure material	Zinc die-casting, painted
Max. earth connection	0 mm <sup>2</sup>
Contact material	Silver
Terminals	1 x 2.5 mm <sup>2</sup> or 2 x 1 mm <sup>2</sup>
Number of NCs	0
Number of NOs	0
Actuator	Roller lever
Clamping range	4 ... 13 mm
Packaging unit	1
Weight	0.34 kg
Weight	0.75 lb

### Components

Actuator 3	Roller (moulded material)
Cable glands and entries	1 x M20 x 1.5

### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Roller lever plunger

### Accessories

#### Cable gland made of plastic



8161/7-M20-1304, Ex e  
Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm  
Lot size 50 pieces

Art. No.

239156

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.