

8074/2-3-WH-40 Art. No. 278458



- Operating temperature range: -40 °C to +70 °C
- Large inner connection chamber
- High-quality metal Ex e enclosure with outer PE connection
- Degree of protection IP66/67
- Five different contact versions
- Ten different actuator versions

WebCode **8074D**



Metal position switch; switch dimensions meet the requirements of DIN EN 50041. It is designed to detect the position of moving components. Certified versions fulfil the requirements for safety switches as set out in EN 13849-1 and have positive-opening contacts in accordance with EN 60947-5-1.

Technical Data

Explosion Protection

Scope of validity	European Union (ATEX) IECEx
Application range (zones)	1 2 21 22
IECEx gas certificate	IECEx BVS 16.0085
IECEx gas explosion protection	Ex de IIC T6 ... T5 Gb
IECEx dust certificate	IECEx BVS 16.0085
IECEx dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db
ATEX gas certificate	BVS 05 ATEX E 007
ATEX gas explosion protection	Ex II 2 G Ex de IIC T6 ... T5 Gb
ATEX dust certificate	BVS 05 ATEX E 007
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T80 °C / T95 °C Db
Certificates	ATEX (BVS), China (CQST), IECEx (BVS)

Electrical Data

DC rated operational voltage	125 V
AC operating voltage (equal potential)	400 V
AC operating voltage (unequal potential)	250 V
Rated insulation voltage	250 V
Rated operational current	4.4 A 6.6 A
Rated operational current note	4.4 A at T6 6.6 A at T5
Electrical service life	Max. 10 ⁶ operating cycles
Mechanical service life	Max. 10 ⁶ operating cycles
Rated surge voltage	4 kV
Short-circuit protection, max.	10 A

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Electrical Data

Tripping characteristic	gL/gG
Maximum operating frequency	1800 operating cycles/h
Switching function	Slow-action contact

Ambient Conditions

Ambient temperature	-40 °C ... +70 °C (T6) -40 °C ... +70 °C (T5)
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Mechanical Data

Version	2nd generation
Degree of protection (IP)	IP66
IP degree of protection (IEC 60529)	IP66
Enclosure material	Corrosion-resistant aluminium, powder-coated
Enclosure colour	Black/silver
Max. earth connection	4 mm ²
Cover material	1.4401 blasted stainless steel
Contact material	Silver-nickel
Solid connection cross section	0.75 – 2.5 mm ²
Finely stranded connection cross section	0.75 – 2.5 mm ²
Number of NCs	2
Positive opening operation	Yes
Actuator	Roller lever
Clamping range	4 ... 13 mm
Type of connection cable	Finely stranded
Contacts	2 NC
Packaging unit	1

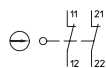
Mounting / Installation

Connection	Cable entry 8161 1xM20x1.5
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Components

Cable glands and entries	1 x M20 Ø 4 ... 13 mm
Material cable gland	Polyamide, Glass fibre reinforced

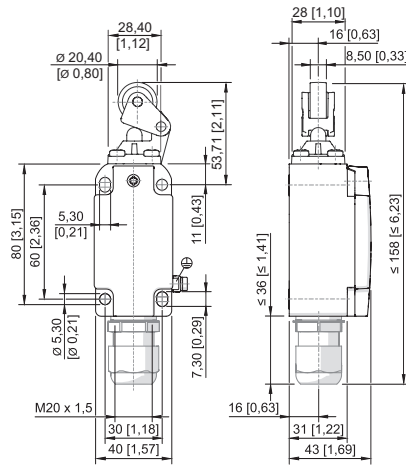
Technical Drawings – Subject to Alterations



Slow-action contact 2 NC
8060/-3_807./2-3

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

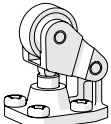


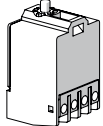
Roller lever 8074/2.-WH-40

Accessories

Cable gland made of plastic		Art. No.
	8161/7-M20-1307, Ex e Plastic, M20 x 1.5, cable outer diameter 7 to 13 mm Lot size 50 pieces	239172

Spare Parts

Actuator		Art. No.
	Roller lever actuator	278460

Contact element		Art. No.
	2 NC slow-action contact 8080/1-3	132532

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.