# Control and signalling devices

Position switches

# STAHL

# 8074/2-5-DL-40 Art. No. 257217



- Large temperature range of use
- 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

### MY R. STAHL 8074D



Position switches are used to position, control and monitor the moving parts on machines and systems. Because they meet the requirements of the EN 50 041 and IEC 60947-5-1 product standards, they can also be used as a position switch with a safety function. Series 8074/2 position switches are approved for use in hazardous areas of Zones 1, 2, 21 and 22.

In conjunction with a safety door guard and the corresponding circuitry, the PL position switches fulfil the requirements of "e" in accordance with EN ISO 13849-1, or up to SIL 3 in accordance with EN 62061. They are identified with the  $\ominus$  character to signify positive opening. There are snap- and slow-action versions with different types of contacts as well as with a variety of different actuating elements.

## **Technical Data**

### Explosion Protection

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 db eb 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	🐼 II 2 G Ex db eb IIC T6 / T5 Gb
ATEX dust certificate	BVS 05 ATEX E 007
ATEX dust explosion protection	
Certificates	ATEX (BVS), China (CQST), IECEx (BVS)
Declaration of Conformity	ATEX (EUK)
Electrical Data	
Rated operational voltage DC	125 V
AC operating voltage (equal potential)	500 V
AC operating voltage (unequal potential)	250 V
Rated insulation voltage	250 V
Rated operational current max.	6.6 A

# 8074/2-5-DL-40 Art. No. 257217

#### **Electrical Data**

Rate operational current note     4.4 A at T5       Electrical service life     Max. 10° operating cycles       Rated surge voltage     4 kV       Short-circuit protection, max.     10 A       Tripping characteristic     gL/gG       Maximum operating requency     1800 operating cycles/h       Switching function     Slow-action contact, Overlapping       Ambient temperature     -40 °C +70 °C (T6)       -40 °C +70 °C (T5)     -40 °C       Machanical Data     -20 dgeneration       Version     2 Ad generation       Degree of protection (IP)     IP66       Degree of protection (IP) (IEC 60529)     IP66       Corrosion-resistant aluminum, powder-coaled     Enclosure colour       Black/silver     Imm <sup>2</sup> Contact material     Silver-nickel       Solid connection cross section     0.75 - 2.5 mm <sup>2</sup> Number of NCS     1       Contact material <th></th> <th></th>		
Mechanical service life     Max. 10° operating cycles       Rated surge voltage     4 kV       Short-circuit protection, max.     10 A       Tripping characteristic     gL/gG       Maximum operating frequency     1800 operating cycles/h       Switching function     Slow-action contact, Overlapping       Ambient Conditions     -40 °C +70 °C (T6)       Machanical Data     -40 °C +70 °C (T6)       Version     2nd generation       Degree of protection (IP)     IP66       Degree of protection (IP) IEC 60529)     IP66       Degree of protection (IP) IEC 60529)     r40 °C       Rate anto consection     4 ma²       Corrosion-resistant aluminium, powder-coated     Enclosure colour       Black/silver     Max. earth connection       Max. earth connection     4 mr²       Cover material     1.4401 blasted stainless steel       Contact material     Silver-nickel       Solid connection cross section     0.75 – 2.5 mr²       Finely stranded connection cross section     1       Positive opening operation     Yes       Number of NCs     1       Actuator	Rated operational current note	
Mechanical service life Max. 10° operating cycles   Rated surge voltage 4 kV   Short-circuit protection, max. ID A   Tripping characteristic gL/gG   Maximum operating frequency 1800 operating cycles/h   Switching function Slow-action contact, Overtapping   Ambient Conditions -40 °C +70 °C (T6)   Ambient Temperature -40 °C +70 °C (T6)   -40 °C +70 °C (T6) -40 °C   Degree of protection (IP) IP66   Degree of protection (IP) [IEC 60529) IP66   Degree of protection (IP) [IEC 60529) r06 °C   Corrosion-resistant aluminium, powder-coated Enclosure colour   Max. earth connection 4 mr²   Cover material Carrosion-resistant aluminium, powder-coated   Enclosure colour Black/sliver   Max. earth connection 4 mr²   Cover material 1.4401 blasted stainless steel   Contact material Sliver-rinckel   Solid connection cross section 0.75 – 2.5 mr³   Finely stranded connection cross section 10   Number of NCs 1   Actuator Long rotary lever   Clamping range 4 13 mm   Type of connection cable Solid   Finely stranded Sole, galavanically	Electrical service life	Max. 10 <sup>6</sup> operating cycles
Rated surge voltage   4 kV     Short-circuit protection, max.   10 A     Tripping characteristic   gL/gG     Maximum operating frequency   1800 operating cycles/h     Switching function   Slow-action contact, Overlapping     Ambient Conditions	Mechanical service life	
Tripping characteristic   gL/gG     Maximum operating frequency   1800 operating cycles/h     Switching function   Slow-action contact, Overlapping     Ambient Conditions   40 °C +70 °C (T6) 40 °C +70 °C (T5)     Mechanical Data   Yersion     Version   Znd generation     Degree of protection (IP)   IP66     Degree of protection (IP) (IEC 60529)   IP66     Degree of protection (IP) (IEC 60529)   IP66     Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure material   1.4401 blasted stainless steel     Contact material   Silver-rickel     Solid connection cross section   0.75 – 2.5 mm <sup>2</sup> Finely stranded connection cross section   0.75 – 2.5 mm <sup>2</sup> Number of NCs   1     Number of NCs   1     Actuator   Long rotary lever     Calamping range   4 13 mm     Type of connection cable   Solid     Contact system   2-pole, galvanically separated, with double break     Contacts   1 NC + 1 NO     Contacts system   2-pole, galvanically separ	Rated surge voltage	
Tripping characteristic   gL/gG     Maximum operating frequency   1800 operating cycles/h     Switching function   Slow-action contact, Overlapping     Ambient Conditions   40 °C +70 °C (T6) 40 °C +70 °C (T5)     Mechanical Data   Yersion     Version   Znd generation     Degree of protection (IP)   IP66     Degree of protection (IP) (IEC 60529)   IP66     Degree of protection (IP) (IEC 60529)   IP66     Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure material   1.4401 blasted stainless steel     Contact material   Silver-rickel     Solid connection cross section   0.75 – 2.5 mm <sup>2</sup> Finely stranded connection cross section   0.75 – 2.5 mm <sup>2</sup> Number of NCs   1     Number of NCs   1     Actuator   Long rotary lever     Calamping range   4 13 mm     Type of connection cable   Solid     Contact system   2-pole, galvanically separated, with double break     Contacts   1 NC + 1 NO     Contacts system   2-pole, galvanically separ	Short-circuit protection, max.	10 A
Maximum operating frequency   1800 operating cycles/h     Switching function   Slow-action contact, Overlapping     Ambient Conditions   -40 °C +70 °C (T6) -40 °C +70 °C (T5)     Mechanical Data   -40 °C +70 °C (T5)     Version   2nd generation     Degree of protection (IP) (IEC 60529)   IP66     Degree of protection (IP) (IEC 60529)   -40 °C     onde   -40 °C     Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure colour   Black/silver     Max. earth connection   4 mm²     Cover material   1.4401 blasted stainless steel     Contact material   Silver-rickel     Solid connection cross section   0.75 – 2.5 mm²     Number of NCs   1     Positive opening operation   Yes     Number of NCs   1     Actuator   Long rotary lever     Clamping range   4 13 mm     Type of connection cable   Solid     Finely stranded   Contacts     Contact system   2-pole, galvanically separated, with double break     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically se		gL/gG
Switching function     Slow-action contact, Overlapping       Ambient Conditions     -40 °C +70 °C (T6) -40 °C +70 °C (T5)       Mechanical Data     -2nd generation       Degree of protection (IP)     IP66       Degree of protection (IP) (IEC 60529)     IP66       Degree of protection (IP) IEC 60529)     -40 °C       enclosure material     Corrosion-resistant aluminium, powder-coated       Enclosure colour     Black/silver       Max. earth connection     4 m*       Cover material     1.4401 blasted stainless steel       Contact material     Silver-nickel       Solid connection cross section     0.75 – 2.5 mm²       Finely stranded connection cross section     0.75 – 2.5 mm²       Number of NOs     1       Positive opening operation     Yes       Number of NOs     1       Type of connection cable     Finely stranded       Contacts     1 NC + 1 NO       Contact system     2-pole, galvanically separated, with double break       Contacts     1 NC + 1 NO       Contact system     2 - spole, galvanically separated, with double break       Contact system     2 - spole, galvanically separate	Maximum operating frequency	1800 operating cycles/h
Ambient temperature   -40 °C +70 °C (T6) -40 °C +70 °C (T5)     Mechanical Data   Version     Version   2nd generation     Degree of protection (IP)   IP66     Degree of protection (IP) (IEC 60529)   IP66     Degree of protection (IP) (IEC 60529)   -40 °C     incle   IP66     Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure colour   Black/silvier     Max. earth connection   4 mm²     Cover material   1.4401 blasted stainless steel     Cortact material   Silver-nickel     Solid connection cross section   0.75 – 2.5 mm²     Finely stranded connection cross section   0.75 – 2.5 mm²     Number of NCs   1     Positive opening operation   Yes     Number of NOS   1     Actuator   Long rotary lever     Clamping range   4 13 mm     Type of connection cable   Solid     Contact system   2-pole, galvanically separated, with double break     Contact system   2-pole, galvanically separated, with double break     Contact system   2-pole, galvanically separated, with double break		
-40 °C +70 °C (T5)     Mechanical Data     Version   2nd generation     Degree of protection (IP)   IP66     Degree of protection (IP) IEC 60529)   IP66     Decree of protection (IP) IEC 60529)   -40 °C     note   Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure material   Corrosion-resistant aluminium, powder-coated     Cover material   1.4401 blasted stainless steel     Contact material   Silver-nickel     Solid connection cross section   0.75 – 2.5 mm²     Number of NCS   1     Positive opening operation   Yes     Number of NOS   1     Actuator   Long rotary lever     Clangt of connection cable   Solid     Finely stranded   Solid     Contact system   2-pole, galvanically separated, with double break     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact system   2-pole, galvanically separated, with double break     Contact system   2-pole, galvanically separated, with double break     Contact system   2-sole, galvanically separated, with double break </td <td>Ambient Conditions</td> <td>,</td>	Ambient Conditions	,
Version2nd generationDegree of protection (IP)IP66Degree of protection (IP) (IC 60529)IP66Degree of protection (IP) IE 60529)40 °Cnote	Ambient temperature	
Degree of protection (IP)IP66Degree of protection (IP) (IEC 60529)P66Degree of protection (IP) IEC 60529)40 °CnoteCorrosion-resistant aluminium, powder-coatedEnclosure materialCorrosion-resistant aluminium, powder-coatedEnclosure colourBlack/silverMax. earth connection4 mm²Cover material1.4401 blasted stainless steelContact materialSilver-nickelSolid connection cross section $0.75 - 2.5 mm²$ Number of NCs1Positive opening operationYesNumber of NOs1ActuatorLong rotary leverClamping range4 13 mmType of connection cableSolidFinely strandedSolidContacts1 NC + 1 NOContact system2-pole, galvanically separated, with double breakContact opening≥ 1.5 mm (isolating distance ≥ 3 mm)Packaging unit1Weight422 gWeight0.93 lbMounting / InstallationConnectionConnectionCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)ComponentsCable glands and entriesCable glands and entries1 x M20 Ø 4 13 mm	Mechanical Data	
Degree of protection (IP) (IEC 60529)   IP66     Degree of protection (IP) IEC 60529)   -40 °C     note   Corrosion-resistant aluminium, powder-coated     Enclosure material   Corrosion-resistant aluminium, powder-coated     Max. earth connection   4 mm²     Cover material   1.4401 blasted stainless steel     Contact material   Silver-nickel     Solid connection cross section   0.75 – 2.5 mm²     Number of NCs   1     Positive opening operation   Yes     Number of NOs   1     Actuator   Long rotary lever     Clautor   Long rotary lever     Clautor   Solid     Finely stranded   Solid     Contacts   1 NC + 1 NO     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Veight   0.93 lb     Mounting / Installation   Connection     Cable entry 8161 1xM20x1.5   Tisole entries: See installation note (included,	Version	2nd generation
Degree of protection (IP) IEC 60529) note   -40 °C     Enclosure material   Corrosion-resistant aluminium, powder-coated     Enclosure colour   Black/sliver     Max. earth connection   4 mm²     Cover material   1.4401 blasted stainless steel     Contact material   Silver-nickel     Solid connection cross section   0.75 - 2.5 mm²     Finely stranded connection cross section   0.75 - 2.5 mm²     Number of NCs   1     Positive opening operation   Yes     Number of NOs   1     Actuator   Long rotary lever     Clamping range   4 13 mm     Type of connection cable   Solid Finely stranded     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Veight   0.93 lb     Mounting / Installation   Connection     Connection   Cable entry 81611xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See instal	Degree of protection (IP)	IP66
noteEnclosure materialCorrosion-resistant aluminium, powder-coatedEnclosure colourBlack/silverMax. earth connection4 mm²Cover material1.4401 blasted stainless steelContact materialSilver-nickelSolid connection cross section $0.75 - 2.5 \text{ mm²}$ Finely stranded connection cross section $0.75 - 2.5 \text{ mm²}$ Number of NCs1Positive opening operationYesNumber of NOs1ActuatorLong rotary leverClamping range4 13 mmType of connection cableSolid Finely strandedContact system2-pole, galvanically separated, with double breakContact opening≥ 1.5 mm (solating distance ≥ 3 mm)Packaging unit1Weight422 gWeight0.93 lbMounting / InstallationContectionConnectionCable entry 81611xM20x1.5Tighening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)ComponentsCable glands and entriesCable glands and entries1 x M20 Ø 4 13 mm	Degree of protection (IP) (IEC 60529)	IP66
Enclosure colourBlack/silverMax. earth connection4 mm²Cover material1.4401 blasted stainless steelContact materialSilver-nickelSolid connection cross section $0.75 - 2.5 mm^2$ Finely stranded connection cross section $0.75 - 2.5 mm^2$ Number of NCs1Positive opening operationYesNumber of NOs1ActuatorLong rotary leverClamping range4 13 mmType of connection cableSolid Finely strandedContact system2-pole, galvanically separated, with double breakContact system2-pole, galvanically separated, with double breakContact opening $\geq 1.5 mm$ (isolating distance $\geq 3 mm$ )Packaging unit1Weight422 gWeight0.93 lbMounting / InstallationCable entry 8161 1xM20x1.5ConnectionCable entry 8161 1xM20x1.5ComponentsCable glands and entriesCable glands and entries1 x M20 Ø 4 13 mm	<b>o i</b> ( <i>i</i> , <i>j</i> )	-40 °C
Max. earth connection $4 \text{ mm}^2$ Cover material1.4401 blasted stainless steelContact materialSilver-nickelSolid connection cross section $0.75 - 2.5 \text{ mm}^2$ Finely stranded connection cross section $0.75 - 2.5 \text{ mm}^2$ Number of NCs1Positive opening operationYesNumber of NOs1ActuatorLong rotary leverClamping range $4 \dots 13 \text{ mm}$ Type of connection cableSolid Finely strandedContacts1 NC + 1 NOContact system2-pole, galvanically separated, with double breakContact opening $\geq 1.5 \text{ mm}$ (isolating distance $\geq 3 \text{ mm}$ )Packaging unit1Weight0.93 lbMounting / InstallationCable entry 8161 1xM20x1.5ConnectionCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)ComponentsCable glands and entriesCable glands and entries1 x M20 Ø 4 13 mm	Enclosure material	Corrosion-resistant aluminium, powder-coated
Cover material1.4401 blasted stainless steelContact materialSilver-nickelSolid connection cross section $0.75 - 2.5 \text{ mm}^2$ Finely stranded connection cross section $0.75 - 2.5 \text{ mm}^2$ Number of NCs1Positive opening operationYesNumber of NOs1ActuatorLong rotary leverClamping range $4 \dots 13 \text{ mm}$ Type of connection cableSolid Finely strandedContacts1 NC + 1 NOContact system2-pole, galvanically separated, with double breakContact opening $\geq 1.5 \text{ mm}$ (isolating distance $\geq 3 \text{ mm}$ )Packaging unit1Weight422 gWeight0.93 lbMounting / InstallationCable entry 8161 1xM20x1.5ConnectionCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)Components1 x M20 Ø 4 13 mm	Enclosure colour	Black/silver
Contact material   Silver-nickel     Solid connection cross section   0.75 - 2.5 mm²     Finely stranded connection cross section   0.75 - 2.5 mm²     Number of NCs   1     Positive opening operation   Yes     Number of NOs   1     Actuator   Long rotary lever     Clamping range   4 13 mm     Type of connection cable   Solid Finely stranded     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Weight   0.93 lb     Mounting / Installation   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   Cable glands and entries	Max. earth connection	4 mm <sup>2</sup>
Solid connection cross section $0.75 - 2.5 \text{ mm}^2$ Finely stranded connection cross section $0.75 - 2.5 \text{ mm}^2$ Number of NCs1Positive opening operationYesNumber of NOs1ActuatorLong rotary leverClamping range4 13 mmType of connection cableSolid Finely strandedContacts1 NC + 1 NOContact system2-pole, galvanically separated, with double breakContact opening≥ 1.5 mm (isolating distance ≥ 3 mm)Packaging unit1Weight0.93 lbMounting / InstallationCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)Components1 x M20 Ø 4 13 mm	Cover material	1.4401 blasted stainless steel
Finely stranded connection cross section   0.75 - 2.5 mm²     Number of NCs   1     Positive opening operation   Yes     Number of NOs   1     Actuator   Long rotary lever     Clamping range   4 13 mm     Type of connection cable   Solid Finely stranded     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Weight   0.93 lb     Mounting / Installation   Connection     Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)	Contact material	Silver-nickel
Number of NCs1Positive opening operationYesNumber of NOs1ActuatorLong rotary leverClamping range4 13 mmType of connection cableSolid Finely strandedContacts1 NC + 1 NOContact system2-pole, galvanically separated, with double breakContact opening $\geq 1.5$ mm (isolating distance $\geq 3$ mm)Packaging unit1Weight422 gWeight0.93 lbMounting / InstallationConnectionCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)Components1 x M20 Ø 4 13 mm	Solid connection cross section	0.75 – 2.5 mm <sup>2</sup>
Positive opening operation   Yes     Number of NOs   1     Actuator   Long rotary lever     Clamping range   4 13 mm     Type of connection cable   Solid Finely stranded     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Weight   0.93 lb     Mounting / Installation   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   1 x M20 Ø 4 13 mm	Finely stranded connection cross section	0.75 – 2.5 mm <sup>2</sup>
Number of NOs1ActuatorLong rotary leverClamping range4 13 mmType of connection cableSolid Finely strandedContacts1 NC + 1 NOContact system2-pole, galvanically separated, with double breakContact opening $\geq$ 1.5 mm (isolating distance $\geq$ 3 mm)Packaging unit1Weight0.93 lbMounting / InstallationConnectionCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)Components1 x M20 Ø 4 13 mm	Number of NCs	1
Actuator   Long rotary lever     Clamping range   4 13 mm     Type of connection cable   Solid     Finely stranded   Finely stranded     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Weight   422 g     Weight   0.93 lb     Mounting / Installation     Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   1 x M20 Ø 4 13 mm	Positive opening operation	Yes
Clamping range   4 13 mm     Type of connection cable   Solid Finely stranded     Contacts   1 NC + 1 NO     Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Weight   422 g     Weight   0.93 lb     Mounting / Installation     Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   1 x M20 Ø 4 13 mm	Number of NOs	1
Type of connection cableSolid Finely strandedContacts $1 NC + 1 NO$ Contact system2-pole, galvanically separated, with double breakContact opening $\geq 1.5 \text{ mm}$ (isolating distance $\geq 3 \text{ mm}$ )Packaging unit1Weight $422 \text{ g}$ Weight $0.93 \text{ lb}$ Mounting / InstallationCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)Components1 x M20 Ø 4 13 mm	Actuator	Long rotary lever
Finely strandedContacts $1 \text{ NC} + 1 \text{ NO}$ Contact system2-pole, galvanically separated, with double breakContact opening $\geq 1.5 \text{ mm}$ (isolating distance $\geq 3 \text{ mm}$ )Packaging unit1Weight $422 \text{ g}$ Weight0.93 lbMounting / InstallationConnectionCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installationComponentsCable glands and entries $1 \times M20 \emptyset 4 \dots 13 \text{ mm}$	Clamping range	4 13 mm
Contact system   2-pole, galvanically separated, with double break     Contact opening   ≥ 1.5 mm (isolating distance ≥ 3 mm)     Packaging unit   1     Weight   422 g     Weight   0.93 lb     Mounting / Installation   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   1 x M20 Ø 4 13 mm	Type of connection cable	
Contact opening $\geq$ 1.5 mm (isolating distance $\geq$ 3 mm)Packaging unit1Weight422 gWeight0.93 lbMounting / InstallationConnectionCable entry 8161 1xM20x1.5Tightening torqueScrew terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)ComponentsCable glands and entries1 x M20 Ø 4 13 mm	Contacts	1 NC + 1 NO
Packaging unit   1     Weight   422 g     Weight   0.93 lb     Mounting / Installation   Cable entry 8161 1xM20x1.5     Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   Cable glands and entries     Cable glands and entries   1 x M20 Ø 4 13 mm	Contact system	2-pole, galvanically separated, with double break
Weight   422 g     Weight   0.93 lb     Mounting / Installation   Connection     Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   Cable glands and entries     1 x M20 Ø 4 13 mm	Contact opening	≥ 1.5 mm (isolating distance ≥ 3 mm)
Weight   0.93 lb     Mounting / Installation   Connection     Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   Cable glands and entries     1 x M20 Ø 4 13 mm	Packaging unit	1
Mounting / Installation     Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   Cable glands and entries     1 x M20 Ø 4 13 mm	Weight	422 g
Connection   Cable entry 8161 1xM20x1.5     Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   Cable glands and entries   1 x M20 Ø 4 13 mm	Weight	0.93 lb
Tightening torque   Screw terminals: Max. 0.4 Nm; cover screws: 1.5 to 2 Nm; cable entries: See installation note (included, but not installed)     Components   Cable glands and entries   1 x M20 Ø 4 13 mm	Mounting / Installation	
note (included, but not installed)   Components   Cable glands and entries 1 x M20 Ø 4 13 mm	Connection	Cable entry 8161 1xM20x1.5
Cable glands and entries 1 x M20 Ø 4 13 mm	Tightening torque	
	Components	
	Cable glands and entries	1 x M20 Ø 4 13 mm
Material cable gland Polyamide, Glass fibre reinforced	Material cable gland	Polyamide, Glass fibre reinforced





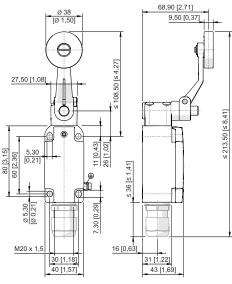
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#### **Technical Drawings – Subject to Alterations**

$$\bigcirc \circ - \frac{15}{16} \Big|_{28}^{27}$$

Slow-action contact, 1 NC + 1 NO, overlapping 8060/.-5; 807./2-5

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



Rod lever 8074/2-.-DL-40

### Accessories

Plastic cable gland		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.	
O Co	Long rotary lever actuator	257534	
Contact element		Art. No.	
	1 NC + 1 NO slow-action contact, overlapping 8080/1-5	132534	

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.