



■ Timing applications



■ Valves



■ HVAC



# Microswitches

miniature

## V3D

# Microswitches miniature V3D

## Crouzet Presentation

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**Crouzet** has been a recognised supplier of quality position sensors, micro-switches and limit switches for more than 30 years. Today, **Crouzet** offers you a new range of micro-switches designed to fulfill the toughest of OEMs' requirements.

To suit your design requirements, Crouzet continues to develop its capabilities as a specialist in customisation, offering you solutions specifically adapted to all your applications. Because our top most priority is nothing be left to chance, our quality and environmental management systems are certified to ISO 9001 and ISO 14001.

### About Custom Sensors & Technologies



Headquartered in Moorpark, CA - Custom Sensors & Technologies (CST) is comprised of industry-leading brands including Crouzet, Kavlico, Crydom, and former divisions of BEI Technologies – Newall and Systron Donner. CST provides sensors, controls, and actuation products for the Transportation, Industrial and Aerospace & Defense markets.



# Crouzet

## Adaptation

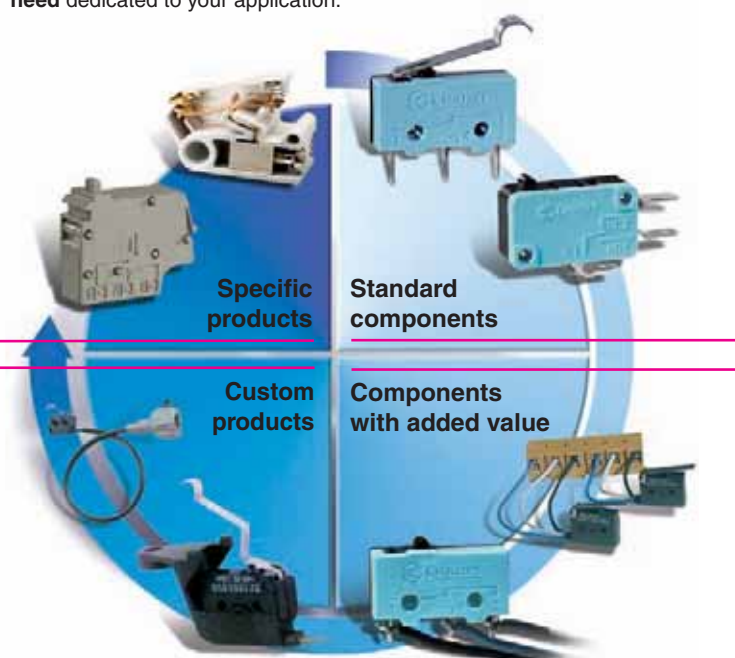
To meet the growing demand for customisation, Crouzet's expertise in terms of adapting products and their corresponding accessories is available to all customers.

Crouzet can customise its products for use in any type of environment or application to ensure perfect integration into any equipment.

Because quality is at the heart of our approach, our quality control and environmental management system are certified to ISO 9001 and ISO 14001 respectively.

■ All our expertise in sensing design and industrialisation placed at your service, to respond to a **specific need** dedicated to your application.

■ A complete range of **standard microswitches** available immediately to create your sensing application.



■ Defined in coordination with our technical sales teams, these **custom products** have the corresponding performance and functionality.

■ Standard products complemented by **factory-mounted auxiliaries or accessories** (levers, cables, connectors, etc) in order to assist integration in your equipment, simplify your logistics and maximise the reliability of your installation.

# Crouzet

## Process



■ Customer needs



■ R&D department



■ Production



■ Quality

# Microswitches miniature V3D

## Crouzet

### Customisation is our business

#### □ Control devices

##### Even more adaptation for easier actuating

Special button shapes which compensate for any faults or positioning drift of the control actuator.



#### □ Connections

##### A complete electrical function

Special connectors, customised wiring, customer bundles, dedicated terminals...



#### □ Seals

##### Even more solutions for demanding environments

Numerous components available to provide effective protection for your contacts, including caps, boot seals, membranes, sealing resin, wiper seals.



#### □ Special levers

##### Obtain the control data

Angled, curved, extended or retractable... these special lever types can be used to extend the control device for easier adjustment, increase the operating force, resist high actuation torque or provide totally safe electrical isolation.



#### □ Special contacts

##### The right contact for every environment

High or low current, AC or DC, type of load (inductive or resistive), industrial or corrosive atmosphere, occasional or intensive use. The best metals, silver, silver nickel, silver palladium, gold-plated silver, solid gold.



#### □ Special fixings

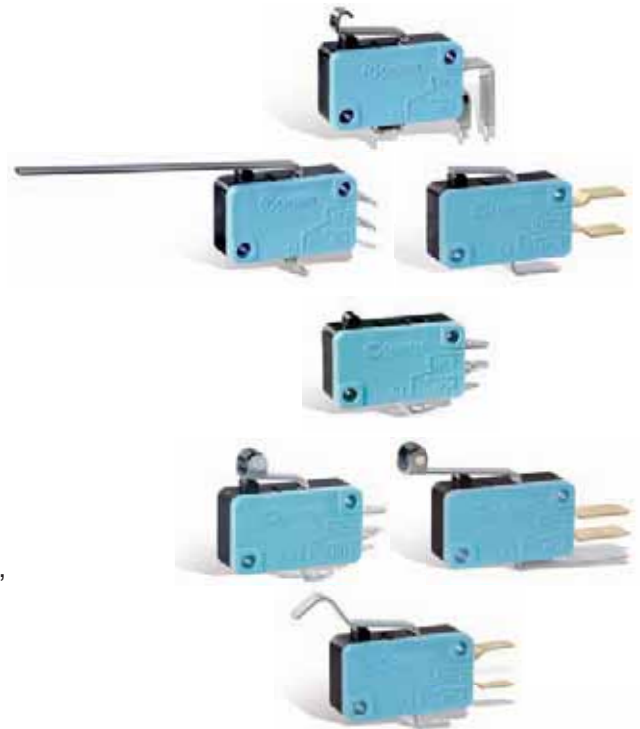
##### No effort is spared to make mounting easier

Snap-on fixing, screw-fixing, crimping or pins are just a few examples of the numerous solutions available to meet all your requirements.



## V3D Advantages

- Wide range of switching ratings from 0.1 A to 21 A
- V3 standard size
- Approved to ENEC (EN 61058-1) and UL/CSA
- Compliant to RoHS
- Glow wire test withstanding to EN 60335-1: GWFI 850°C and GWIT 775°C
- Various applications areas: Industry, Consumer equipment, Home appliances, HVAC, ...
- A high capacity to adapt levers, connections, fixing elements, upon request



## Ordering Information

### Model Number Legend



#### 1 - Ratings / Operating force max

- 1: 16 A / 2 N
- 2: 20 A / 2 N
- 3: 16 A / 1 N
- 4: 12 A / 0.5 N
- 5: 5 A / 0.25 N
- 8: 0.05 A / 1 N
- 9: 0.05 A / 0.25 N

#### 2 - Functions

- 0: Changeover
- 6: Normally closed
- 8: Normally open

#### 3 - Connections

- 0: W1 screws
- 1: W2 solder
- 2: W3 for 6.35 mm clips
- 3: W3R5 for Rast 5 connector
- 4: W6A5 for 4.8 x 0.5 mm clips
- 5: W6D8 for 4.8 x 0.8 mm clips
- 6: W7A5 for 2.8 x 0.5mm clips
- 7: X2 rear side for PCB
- 8: X3 front side for PCB
- 9: X1 straight for PCB

#### 4 - Actuators

- 1: Plunger
- 2: Lever 260A R14.2
- 3: Lever 260A R25.4
- 4: Lever 260A R40
- 5: Lever 260A R60
- 6: Lever 260F R22.2
- 7: Lever 260E R13.7
- 8: Lever 260E R24.3
- 9: Lever 260G R13.8

W3R2.5 for Rast 2.5 connector (SP9307): Contact us

## Basic technical principles

- See our Position Sensors Catalogue

# Microswitches miniature V3D

- Nominal ratings from 0.1 A to 21 A
- Operating temperature up to + 150°C
- Approved to ENEC and UL/CSA
- Large choice of actuators



## Main specifications

|                                         |                                                          | 83261                  | 83262                                                      | 83263                  | 83264                        |
|-----------------------------------------|----------------------------------------------------------|------------------------|------------------------------------------------------------|------------------------|------------------------------|
| Function                                | Connections                                              |                        |                                                            |                        |                              |
| I (changeover)                          | W1 - W2 - W3 - W3R5 - W6A5<br>W6D8 - W7A5 - X1 - X2 - X3 | ●                      | ●                                                          | ●                      | ●                            |
| R (normally closed)                     | W1 - W2 - W3 - W3R5 - W6A5<br>W6D8 - W7A5                | ●                      | ●                                                          | ●                      | ●                            |
| C (normally open)                       | W1 - W2 - W3 - W3R5 - W6A5<br>W6D8 - W7A5                | ●                      | ●                                                          | ●                      | ●                            |
| Electrical characteristics              |                                                          |                        |                                                            |                        |                              |
| Rating nominal / 250 V AC (A)           |                                                          | 16                     | 20                                                         | 16                     | 12                           |
| Rating thermal / 250 V AC (A)           |                                                          | 20                     | 25                                                         | 20                     | 15                           |
| Rating nominal / 5 → 24 V AC/DC (A)     |                                                          | -                      | -                                                          | -                      | -                            |
| Mechanical characteristics              |                                                          |                        |                                                            |                        |                              |
| Maximum operating force (N)             |                                                          | 2                      | 2                                                          | 1                      | 0.5                          |
| Min. Release force (N)                  |                                                          | 0.5                    | 0.5                                                        | 0.2                    | 0.1                          |
| Maximum total travel force (N)          |                                                          | 3                      | 3                                                          | 1.5                    | 0.8                          |
| Max. permitted overtravel force (N)     |                                                          | 20                     | 20                                                         | 20                     | 20                           |
| Maximum rest position (mm)              |                                                          | 16.2                   | 16.2                                                       | 16.2                   | 16.2                         |
| Tripping point (mm)                     |                                                          | 14.7 <sup>±0.5</sup>   | 14.7 <sup>±0.5</sup>                                       | 14.7 <sup>±0.5</sup>   | 14.7 <sup>±0.5</sup>         |
| Maximum differential travel (mm)        |                                                          | 0.40                   | 0.40                                                       | 0.40                   | 0.40                         |
| Min. overtravel (mm)                    |                                                          | 1.1                    | 1.1                                                        | 1.1                    | 1.1                          |
| Ambient operating temperature (°C)      |                                                          | -20 → +125             | -20 → +125                                                 | -20 → +125             | -20 → +125                   |
| Mechanical life for 2/3 OT (operations) |                                                          | 1 000 000              | 1 000 000                                                  | 1 000 000              | 1 000 000                    |
| Contact gap (mm)                        |                                                          | 0.6                    | 0.6                                                        | 0.6                    | 0.6                          |
| Weight (g)                              |                                                          | 6                      | 6                                                          | 6                      | 6                            |
| Approvals                               |                                                          |                        |                                                            |                        |                              |
| EN 61058-1                              | Rating for T125°C<br>** T150°C<br>*** T85°C              | 16 (4) A<br>250 V AC   | 20 (8) A<br>250 V AC                                       | 16 (4) A<br>250 V AC   | ***12 (6) A<br>250 V AC      |
|                                         | Number of cycles                                         | 50 000                 | 10 000                                                     | 50 000                 | 50 000                       |
| UL 1054                                 | Rating                                                   | 16 A<br>125 / 250 V AC | 21 A<br>125 / 250 V AC<br>1/2 HP 125 V AC<br>1 HP 250 V AC | 16 A<br>125 / 250 V AC | 8 A 1/4 HP<br>125 / 250 V AC |
|                                         | Number of cycles                                         | 6 000                  | 6 000                                                      | 6 000                  | 6 000                        |

## Additional specifications

### Component Materials

- Housing/cover/button: polyester UL 94V0 - GWIT 775°C / GWFI 850°C
- Blade/spring: copper alloy
- Contacts: silver alloy or gold plated
- Terminals: brass or silver plated brass
- Actuators: stainless steel, glass filled polyamide roller



| 83265                         | 83268                           | 83269                           |
|-------------------------------|---------------------------------|---------------------------------|
|                               |                                 |                                 |
| 5                             | -                               | -                               |
| 7.5                           | -                               | -                               |
| -                             | 0.001 → 0.05                    | 0.001 → 0.05                    |
| 0.25                          | 1                               | 0.25                            |
| 0.05                          | 0.2                             | 0.05                            |
| 0.4                           | 1.5                             | 0.4                             |
| 20                            | 20                              | 20                              |
| 16.2                          | 16.2                            | 16.2                            |
| 14.7 $\pm 0.5$                | 14.7 $\pm 0.5$                  | 14.7 $\pm 0.5$                  |
| 0.40                          | 0.40                            | 0.40                            |
| 1.1                           | 1.1                             | 1.1                             |
| -20 → +125                    | -20 → +150                      | -20 → +150                      |
| 1 000 000                     | 1 000 000                       | 1 000 000                       |
| 0.6                           | 0.6                             | 0.6                             |
| 6                             | 6                               | 6                               |
|                               |                                 |                                 |
| ** 5 (1) A<br>250 V AC        | ** 0.1 (0.04) A<br>250 V AC     | ** 0.1 (0.04) A<br>250 V AC     |
| 50 000                        | 50 000                          | 50 000                          |
| 5 A 1/10 HP<br>125 / 250 V AC | 0.1 A 125 V AC<br>0.1 A 30 V DC | 0.1 A 125 V AC<br>0.1 A 30 V DC |
| 6 000                         | 6 000                           | 6 000                           |

## Principle

Single break changeover switch

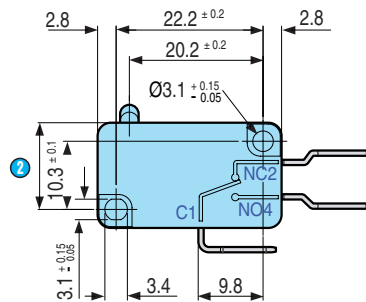


## Dimensions (mm)

V3D



① lever fixing position B



② Total Travel Position 13.2 max

## Product adaptations



- Rast 2.5 connection (SP9307): [see Connections](#)
- Other specific connections
- Specific levers
- Specific contacts
- Specific fixing
- High operating temperature

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## Connections

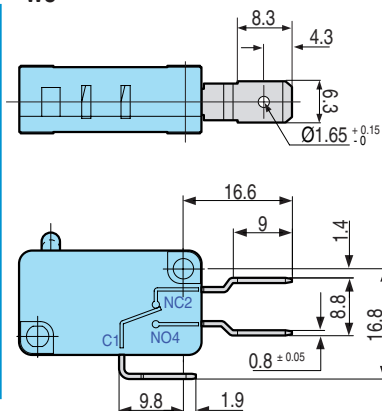
W1



W2



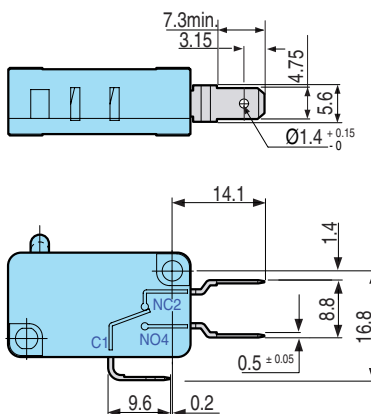
W3



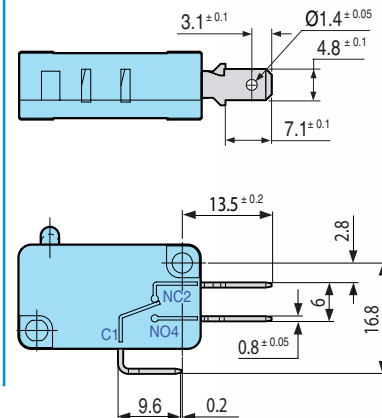
W3R5



W6A5



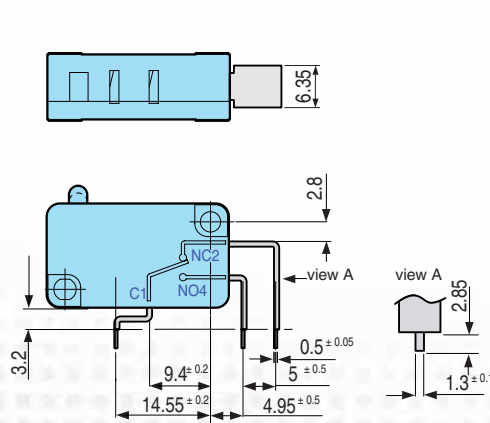
W6D8



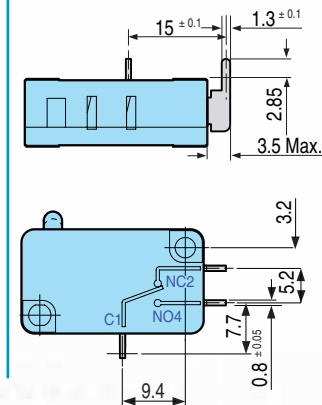
W7A5



X1



X2



X3



W3R2.5 (SP9307)



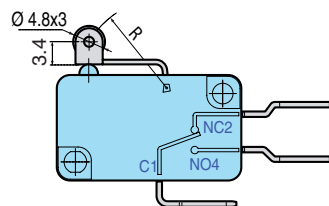
Contact us

## Actuators

260 A



260 E



260 F



260 G

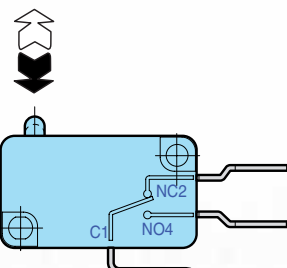


## Actuator mounting position



## Mounting - Operation

To conform to the leakage paths and air gaps required in the standard  
EN/IEC 61058-1 - EN/IEC 60947-5-1:



- An insulation pad must be inserted between the microswitch and the fixing surface if the fixing surface is metal.
- Manual operation of a metal actuator must only be carried out with the help of a secondary actuator made of insulating material. The installer must ensure adequate protection against direct contact with the output terminals.

# Microswitches miniature V3D

## Mechanical characteristics with actuators

|                                                                                                                  |       | Length of actuator (mm) | Maximum operating force (N) | Minimum release force (N) | Tripping point (mm) | Minimum overtravel (mm) | Maximum differential travel (mm) | Maximum total travel (mm) |
|------------------------------------------------------------------------------------------------------------------|-------|-------------------------|-----------------------------|---------------------------|---------------------|-------------------------|----------------------------------|---------------------------|
| <br>Lever 260A<br>R14.2 Pos B   | 83261 | 14.2                    | 2                           | 0.5                       | 15.4 $\pm$ 0.5      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83262 | 14.2                    | 2                           | 0.5                       | 15.4 $\pm$ 0.5      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83263 | 14.2                    | 1                           | 0.2                       | 15.4 $\pm$ 0.5      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83264 | 14.2                    | 0.5                         | 0.1                       | 15.4 $\pm$ 0.5      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83265 | 14.2                    | 0.25                        | 0.05                      | 15.4 $\pm$ 0.5      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83268 | 14.2                    | 1                           | 0.2                       | 15.4 $\pm$ 0.5      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83269 | 14.2                    | 0.25                        | 0.05                      | 15.4 $\pm$ 0.5      | 1.1                     | 0.4                              | 3                         |
| <br>Lever 260A<br>R25.4 Pos B   | 83261 | 25.4                    | 1                           | 0.25                      | 15.4 $\pm$ 1        | 2                       | 0.8                              | 5.8                       |
|                                                                                                                  | 83262 | 25.4                    | 1                           | 0.25                      | 15.4 $\pm$ 1        | 2                       | 0.8                              | 5.8                       |
|                                                                                                                  | 83263 | 25.4                    | 0.5                         | 0.1                       | 15.4 $\pm$ 1        | 2                       | 0.8                              | 5.8                       |
|                                                                                                                  | 83264 | 25.4                    | 0.25                        | 0.05                      | 15.4 $\pm$ 1        | 2                       | 0.8                              | 5.8                       |
|                                                                                                                  | 83265 | 25.4                    | 0.13                        | 0.02                      | 15.4 $\pm$ 1        | 2                       | 0.8                              | 5.8                       |
|                                                                                                                  | 83268 | 25.4                    | 0.5                         | 0.1                       | 15.4 $\pm$ 1        | 2                       | 0.8                              | 5.8                       |
|                                                                                                                  | 83269 | 25.4                    | 0.13                        | 0.02                      | 15.4 $\pm$ 1        | 2                       | 0.8                              | 5.8                       |
| <br>Lever 260A<br>R40 Pos B    | 83261 | 40                      | 0.6                         | 0.15                      | 15.4 $\pm$ 1.8      | 3.3                     | 1.3                              | 9.6                       |
|                                                                                                                  | 83262 | 40                      | 0.6                         | 0.15                      | 15.4 $\pm$ 1.8      | 3.3                     | 1.3                              | 9.6                       |
|                                                                                                                  | 83263 | 40                      | 0.3                         | 0.06                      | 15.4 $\pm$ 1.8      | 3.3                     | 1.3                              | 9.6                       |
|                                                                                                                  | 83264 | 40                      | 0.15                        | 0.03                      | 15.4 $\pm$ 1.8      | 3.3                     | 1.3                              | 9.6                       |
|                                                                                                                  | 83265 | 40                      | 0.08                        | 0.01                      | 15.4 $\pm$ 1.8      | 3.3                     | 1.3                              | 9.6                       |
|                                                                                                                  | 83268 | 40                      | 0.3                         | 0.06                      | 15.4 $\pm$ 1.8      | 3.3                     | 1.3                              | 9.6                       |
|                                                                                                                  | 83269 | 40                      | 0.08                        | 0.01                      | 15.4 $\pm$ 1.8      | 3.3                     | 1.3                              | 9.6                       |
| <br>Lever 260A<br>R60 Pos B   | 83261 | 60                      | 0.4                         | 0.1                       | 15.4 $\pm$ 2.5      | 5                       | 2                                | 14.5                      |
|                                                                                                                  | 83262 | 60                      | 0.4                         | 0.1                       | 15.4 $\pm$ 2.5      | 5                       | 2                                | 14.5                      |
|                                                                                                                  | 83263 | 60                      | 0.2                         | 0.04                      | 15.4 $\pm$ 2.5      | 5                       | 2                                | 14.5                      |
|                                                                                                                  | 83264 | 60                      | 0.1                         | 0.02                      | 15.4 $\pm$ 2.5      | 5                       | 2                                | 14.5                      |
|                                                                                                                  | 83265 | 60                      | 0.05                        | 0.01                      | 15.4 $\pm$ 2.5      | 5                       | 2                                | 14.5                      |
|                                                                                                                  | 83268 | 60                      | 0.2                         | 0.04                      | 15.4 $\pm$ 2.5      | 5                       | 2                                | 14.5                      |
|                                                                                                                  | 83269 | 60                      | 0.05                        | 0.01                      | 15.4 $\pm$ 1        | 5                       | 2                                | 14.5                      |
| <br>Lever 260F<br>R22.2 Pos B | 83261 | 22.2                    | 1.06                        | 0.26                      | 20.4 $\pm$ 1        | 1.8                     | 0.75                             | 5.2                       |
|                                                                                                                  | 83262 | 22.2                    | 1.06                        | 0.26                      | 20.4 $\pm$ 1        | 1.8                     | 0.75                             | 5.2                       |
|                                                                                                                  | 83263 | 22.2                    | 0.53                        | 0.1                       | 20.4 $\pm$ 1        | 1.8                     | 0.75                             | 5.2                       |
|                                                                                                                  | 83264 | 22.2                    | 0.27                        | 0.05                      | 20.4 $\pm$ 1        | 1.8                     | 0.75                             | 5.2                       |
|                                                                                                                  | 83265 | 22.2                    | 0.13                        | 0.02                      | 20.4 $\pm$ 1        | 1.8                     | 0.75                             | 5.2                       |
|                                                                                                                  | 83268 | 22.2                    | 0.53                        | 0.1                       | 20.4 $\pm$ 1        | 1.8                     | 0.75                             | 5.2                       |
|                                                                                                                  | 83269 | 22.2                    | 0.13                        | 0.02                      | 20.4 $\pm$ 1        | 1.8                     | 0.75                             | 5.2                       |
| <br>Lever 260E<br>R13.7 Pos B | 83261 | 13.7                    | 2                           | 0.5                       | 20.5 $\pm$ 0.8      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83262 | 13.7                    | 2                           | 0.5                       | 20.5 $\pm$ 0.8      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83263 | 13.7                    | 1                           | 0.2                       | 20.5 $\pm$ 0.8      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83264 | 13.7                    | 0.5                         | 0.1                       | 20.5 $\pm$ 0.8      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83265 | 13.7                    | 0.25                        | 0.05                      | 20.5 $\pm$ 0.8      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83268 | 13.7                    | 1                           | 0.2                       | 20.5 $\pm$ 0.8      | 1.1                     | 0.4                              | 3                         |
|                                                                                                                  | 83269 | 13.7                    | 0.25                        | 0.05                      | 20.5 $\pm$ 0.8      | 1.1                     | 0.4                              | 3                         |



Lever 260E  
R24.3 Pos B

|       |  | Length of actuator (mm) | Maximum operating force (N) | Minimum release force (N) | Tripping point (mm)  | Minimum overtravel (mm) | Maximum differential travel (mm) | Maximum total travel (mm) |
|-------|--|-------------------------|-----------------------------|---------------------------|----------------------|-------------------------|----------------------------------|---------------------------|
| 83261 |  | 24.3                    | 1                           | 0.25                      | 20.5 <sup>+1.5</sup> | 2                       | 0.8                              | 5.8                       |
| 83262 |  | 24.3                    | 1                           | 0.25                      | 20.5 <sup>+1.5</sup> | 2                       | 0.8                              | 5.8                       |
| 83263 |  | 24.3                    | 0.5                         | 0.1                       | 20.5 <sup>+1.5</sup> | 2                       | 0.8                              | 5.8                       |
| 83264 |  | 24.3                    | 0.25                        | 0.05                      | 20.5 <sup>+1.5</sup> | 2                       | 0.8                              | 5.8                       |
| 83265 |  | 24.3                    | 0.13                        | 0.02                      | 20.5 <sup>+1.5</sup> | 2                       | 0.8                              | 5.8                       |
| 83268 |  | 24.3                    | 0.5                         | 0.1                       | 20.5 <sup>+1.5</sup> | 2                       | 0.8                              | 5.8                       |
| 83269 |  | 24.3                    | 0.13                        | 0.02                      | 20.5 <sup>+1.5</sup> | 2                       | 0.8                              | 5.8                       |



Lever 260G  
R13.8 Pos B

|       |  |      |      |      |                      |     |     |   |
|-------|--|------|------|------|----------------------|-----|-----|---|
| 83261 |  | 13.8 | 2    | 0.5  | 19.9 <sup>+0.7</sup> | 1.1 | 0.4 | 3 |
| 83262 |  | 13.8 | 2    | 0.5  | 19.9 <sup>+0.7</sup> | 1.1 | 0.4 | 3 |
| 83263 |  | 13.8 | 1    | 0.2  | 19.9 <sup>+0.7</sup> | 1.1 | 0.4 | 3 |
| 83264 |  | 13.8 | 0.5  | 0.1  | 19.9 <sup>+0.7</sup> | 1.1 | 0.4 | 3 |
| 83265 |  | 13.8 | 0.25 | 0.05 | 19.9 <sup>+0.7</sup> | 1.1 | 0.4 | 3 |
| 83268 |  | 13.8 | 1    | 0.2  | 19.9 <sup>+0.7</sup> | 1.1 | 0.4 | 3 |
| 83269 |  | 13.8 | 0.25 | 0.05 | 19.9 <sup>+0.7</sup> | 1.1 | 0.4 | 3 |

## Selection guide



Plunger

| Rating / Force |          |            | 16 A / 2 N | 20 A / 2 N | 16 A / 1 N | 12 A / 0.5 N | 5 A / 0.25 N | 0.05 A / 1 N | 0.05 A / 0.25 N |
|----------------|----------|------------|------------|------------|------------|--------------|--------------|--------------|-----------------|
| Type           |          |            | 83261      | 83262      | 83263      | 83264        | 83265        | 83268        | 83269           |
| Actuators      | Function | Connection |            |            |            |              |              |              |                 |
| I              | W1       |            | 83261001   | 83262001   | 83263001   | 83264001     | 83265001     | 83268001     | 83269001        |
| I              | W2       |            | 83261011   | 83262011   | 83263011   | 83264011     | 83265011     | 83268011     | 83269011        |
| I              | W3       |            | 83261021   | 83262021   | 83263021   | 83264021     | 83265021     | 83268021     | 83269021        |
| I              | W3R5     |            | 83261031   | 83262031   | 83263031   | 83264031     | 83265031     | 83268031     | 83269031        |
| I              | W6A5     |            | 83261041   | 83262041   | 83263041   | 83264041     | 83265041     | 83268041     | 83269041        |
| I              | W6D8     |            | 83261051   | 83262051   | 83263051   | 83264051     | 83265051     | 83268051     | 83269051        |
| I              | W7A5     |            | 83261061   | -          | 83263061   | 83264061     | 83265061     | 83268061     | 83269061        |
| I              | X2       |            | 83261071   | -          | 83263071   | 83264071     | 83265071     | 83268071     | 83269071        |
| I              | X3       |            | 83261081   | -          | 83263081   | 83264081     | 83265081     | 83268081     | 83269081        |
| I              | X1       |            | 83261091   | -          | 83263091   | 83264091     | 83265091     | 83268091     | 83269091        |
| R              | W1       |            | 83261601   | 83262601   | 83263601   | 83264601     | 83265601     | 83268601     | 83269601        |
| R              | W2       |            | 83261611   | 83262611   | 83263611   | 83264611     | 83265611     | 83268611     | 83269611        |
| R              | W3       |            | 83261621   | 83262621   | 83263621   | 83264621     | 83265621     | 83268621     | 83269621        |
| R              | W3R5     |            | 83261631   | 83262631   | 83263631   | 83264631     | 83265631     | 83268631     | 83269631        |
| R              | W6A5     |            | 83261641   | 83262641   | 83263641   | 83264641     | 83265641     | 83268641     | 83269641        |
| R              | W6D8     |            | 83261651   | 83262651   | 83263651   | 83264651     | 83265651     | 83268651     | 83269651        |
| R              | W7A5     |            | 83261661   | -          | 83263661   | 83264661     | 83265661     | 83268661     | 83269661        |
| C              | W1       |            | 83261801   | 83262801   | 83263801   | 83264801     | 83265801     | 83268801     | 83269801        |
| C              | W2       |            | 83261811   | 83262811   | 83263811   | 83264811     | 83265811     | 83268811     | 83269811        |
| C              | W3       |            | 83261821   | 83262821   | 83263821   | 83264821     | 83265821     | 83268821     | 83269821        |
| C              | W3R5     |            | 83261831   | 83262831   | 83263831   | 83264831     | 83265831     | 83268831     | 83269831        |
| C              | W6A5     |            | 83261841   | 83262841   | 83263841   | 83264841     | 83265841     | 83268841     | 83269841        |
| C              | W6D8     |            | 83261851   | 83262851   | 83263851   | 83264851     | 83265851     | 83268851     | 83269851        |
| C              | W7A5     |            | 83261861   | -          | 83263861   | 83264861     | 83265861     | 83268861     | 83269861        |

# Microswitches miniature V3D

| Actuators                                                                                                        | Rating / Force |            | 16 A / 2 N | 20 A / 2 N | 16 A / 1 N | 12 A / 0.5 N | 5 A / 0.25 N | 0.05 A / 1 N | 0.05 A / 0.25 N |
|------------------------------------------------------------------------------------------------------------------|----------------|------------|------------|------------|------------|--------------|--------------|--------------|-----------------|
|                                                                                                                  | Type           |            | 83261      | 83262      | 83263      | 83264        | 83265        | 83268        | 83269           |
|                                                                                                                  | Function       | Connection |            |            |            |              |              |              |                 |
| <br>Lever 260A<br>R14.2 Pos B   | I              | W1         | 83261002   | 83262002   | 83263002   | 83264002     | 83265002     | 83268002     | 83269002        |
|                                                                                                                  | I              | W2         | 83261012   | 83262012   | 83263012   | 83264012     | 83265012     | 83268012     | 83269012        |
|                                                                                                                  | I              | W3         | 83261022   | 83262022   | 83263022   | 83264022     | 83265022     | 83268022     | 83269022        |
|                                                                                                                  | I              | W3R5       | 83261032   | 83262032   | 83263032   | 83264032     | 83265032     | 83268032     | 83269032        |
|                                                                                                                  | I              | W6A5       | 83261042   | 83262042   | 83263042   | 83264042     | 83265042     | 83268042     | 83269042        |
|                                                                                                                  | I              | W6D8       | 83261052   | 83262052   | 83263052   | 83264052     | 83265052     | 83268052     | 83269052        |
|                                                                                                                  | I              | W7A5       | 83261062   | -          | 83263062   | 83264062     | 83265062     | 83268062     | 83269062        |
|                                                                                                                  | I              | X2         | 83261072   | -          | 83263072   | 83264072     | 83265072     | 83268072     | 83269072        |
|                                                                                                                  | I              | X3         | 83261082   | -          | 83263082   | 83264082     | 83265082     | 83268082     | 83269082        |
|                                                                                                                  | I              | X1         | 83261092   | -          | 83263092   | 83264092     | 83265092     | 83268092     | 83269092        |
|                                                                                                                  | R              | W1         | 83261602   | 83262602   | 83263602   | 83264602     | 83265602     | 83268602     | 83269602        |
|                                                                                                                  | R              | W2         | 83261612   | 83262612   | 83263612   | 83264612     | 83265612     | 83268612     | 83269612        |
|                                                                                                                  | R              | W3         | 83261622   | 83262622   | 83263622   | 83264622     | 83265622     | 83268622     | 83269622        |
|                                                                                                                  | R              | W3R5       | 83261632   | 83262632   | 83263632   | 83264632     | 83265632     | 83268632     | 83269632        |
|                                                                                                                  | R              | W6A5       | 83261642   | 83262642   | 83263642   | 83264642     | 83265642     | 83268642     | 83269642        |
|                                                                                                                  | R              | W6D8       | 83261652   | 83262652   | 83263652   | 83264652     | 83265652     | 83268652     | 83269652        |
|                                                                                                                  | R              | W7A5       | 83261662   | -          | 83263662   | 83264662     | 83265662     | 83268662     | 83269662        |
|                                                                                                                  | C              | W1         | 83261802   | 83262802   | 83263802   | 83264802     | 83265802     | 83268802     | 83269802        |
|                                                                                                                  | C              | W2         | 83261812   | 83262812   | 83263812   | 83264812     | 83265812     | 83268812     | 83269812        |
|                                                                                                                  | C              | W3         | 83261822   | 83262822   | 83263822   | 83264822     | 83265822     | 83268822     | 83269822        |
|                                                                                                                  | C              | W3R5       | 83261832   | 83262832   | 83263832   | 83264832     | 83265832     | 83268832     | 83269832        |
|                                                                                                                  | C              | W6A5       | 83261842   | 83262842   | 83263842   | 83264842     | 83265842     | 83268842     | 83269842        |
|                                                                                                                  | C              | W6D8       | 83261852   | 83262852   | 83263852   | 83264852     | 83265852     | 83268852     | 83269852        |
|                                                                                                                  | C              | W7A5       | 83261862   | -          | 83263862   | 83264862     | 83265862     | 83268862     | 83269862        |
| <br>Lever 260A<br>R25.4 Pos B | I              | W1         | 83261003   | 83262003   | 83263003   | 83264003     | 83265003     | 83268003     | 83269003        |
|                                                                                                                  | I              | W2         | 83261013   | 83262013   | 83263013   | 83264013     | 83265013     | 83268013     | 83269013        |
|                                                                                                                  | I              | W3         | 83261023   | 83262023   | 83263023   | 83264023     | 83265023     | 83268023     | 83269023        |
|                                                                                                                  | I              | W3R5       | 83261033   | 83262033   | 83263033   | 83264033     | 83265033     | 83268033     | 83269033        |
|                                                                                                                  | I              | W6A5       | 83261043   | 83262043   | 83263043   | 83264043     | 83265043     | 83268043     | 83269043        |
|                                                                                                                  | I              | W6D8       | 83261053   | 83262053   | 83263053   | 83264053     | 83265053     | 83268053     | 83269053        |
|                                                                                                                  | I              | W7A5       | 83261063   | -          | 83263063   | 83264063     | 83265063     | 83268063     | 83269063        |
|                                                                                                                  | I              | X2         | 83261073   | -          | 83263073   | 83264073     | 83265073     | 83268073     | 83269073        |
|                                                                                                                  | I              | X3         | 83261083   | -          | 83263083   | 83264083     | 83265083     | 83268083     | 83269083        |
|                                                                                                                  | I              | X1         | 83261093   | -          | 83263093   | 83264093     | 83265093     | 83268093     | 83269093        |
|                                                                                                                  | R              | W1         | 83261603   | 83262603   | 83263603   | 83264603     | 83265603     | 83268603     | 83269603        |
|                                                                                                                  | R              | W2         | 83261613   | 83262613   | 83263613   | 83264613     | 83265613     | 83268613     | 83269613        |
|                                                                                                                  | R              | W3         | 83261623   | 83262623   | 83263623   | 83264623     | 83265623     | 83268623     | 83269623        |
|                                                                                                                  | R              | W3R5       | 83261633   | 83262633   | 83263633   | 83264633     | 83265633     | 83268633     | 83269633        |
|                                                                                                                  | R              | W6A5       | 83261643   | 83262643   | 83263643   | 83264643     | 83265643     | 83268643     | 83269643        |
|                                                                                                                  | R              | W6D8       | 83261653   | 83262653   | 83263653   | 83264653     | 83265653     | 83268653     | 83269653        |
|                                                                                                                  | R              | W7A5       | 83261663   | -          | 83263663   | 83264663     | 83265663     | 83268663     | 83269663        |
|                                                                                                                  | C              | W1         | 83261803   | 83262803   | 83263803   | 83264803     | 83265803     | 83268803     | 83269803        |
|                                                                                                                  | C              | W2         | 83261813   | 83262813   | 83263813   | 83264813     | 83265813     | 83268813     | 83269813        |
|                                                                                                                  | C              | W3         | 83261823   | 83262823   | 83263823   | 83264823     | 83265823     | 83268823     | 83269823        |
|                                                                                                                  | C              | W3R5       | 83261833   | 83262833   | 83263833   | 83264833     | 83265833     | 83268833     | 83269833        |
|                                                                                                                  | C              | W6A5       | 83261843   | 83262843   | 83263843   | 83264843     | 83265843     | 83268843     | 83269843        |
|                                                                                                                  | C              | W6D8       | 83261853   | 83262853   | 83263853   | 83264853     | 83265853     | 83268853     | 83269853        |
|                                                                                                                  | C              | W7A5       | 83261863   | -          | 83263863   | 83264863     | 83265863     | 83268863     | 83269863        |

## Note:

Function: **I** = Changeover - **R** = Normally closed - **C** = Normally open

Connection: **W1** = screws - **W2** = solder - **W3** = for 6.35 mm clips - **W3R5** = for Rast 5 connector

**W6A5** = for 4.8 x 0.5 mm clips - **W6D8** = for 4.8 x 0.8 mm clips - **W7A5** = for 2.8 x 0.5 mm clips

**X2** = rear side for PCB - **X3** = front side for PCB - **X1** = straight for PCB

|                                                                                                                |          |            | Rating / Force | 16 A / 2 N | 20 A / 2 N | 16 A / 1 N | 12 A / 0.5N | 5 A / 0.25 N | 0.05 A / 1 N | 0.05 A / 0.25 N |
|----------------------------------------------------------------------------------------------------------------|----------|------------|----------------|------------|------------|------------|-------------|--------------|--------------|-----------------|
|                                                                                                                |          |            | Type           | 83261      | 83262      | 83263      | 83264       | 83265        | 83268        | 83269           |
| Actuators                                                                                                      | Function | Connection |                |            |            |            |             |              |              |                 |
| <br>Lever 260A<br>R40 Pos B   | I        | W1         |                | 83261004   | 83262004   | 83263004   | 83264004    | 83265004     | 83268004     | 83269004        |
|                                                                                                                | I        | W2         |                | 83261014   | 83262014   | 83263014   | 83264014    | 83265014     | 83268014     | 83269014        |
|                                                                                                                | I        | W3         |                | 83261024   | 83262024   | 83263024   | 83264024    | 83265024     | 83268024     | 83269024        |
|                                                                                                                | I        | W3R5       |                | 83261034   | 83262034   | 83263034   | 83264034    | 83265034     | 83268034     | 83269034        |
|                                                                                                                | I        | W6A5       |                | 83261044   | 83262044   | 83263044   | 83264044    | 83265044     | 83268044     | 83269044        |
|                                                                                                                | I        | W6D8       |                | 83261054   | 83262054   | 83263054   | 83264054    | 83265054     | 83268054     | 83269054        |
|                                                                                                                | I        | W7A5       |                | 83261064   | -          | 83263064   | 83264064    | 83265064     | 83268064     | 83269064        |
|                                                                                                                | I        | X2         |                | 83261074   | -          | 83263074   | 83264074    | 83265074     | 83268074     | 83269074        |
|                                                                                                                | I        | X3         |                | 83261084   | -          | 83263084   | 83264084    | 83265084     | 83268084     | 83269084        |
|                                                                                                                | I        | X1         |                | 83261094   | -          | 83263094   | 83264094    | 83265094     | 83268094     | 83269094        |
|                                                                                                                | R        | W1         |                | 83261604   | 83262604   | 83263604   | 83264604    | 83265604     | 83268604     | 83269604        |
|                                                                                                                | R        | W2         |                | 83261614   | 83262614   | 83263614   | 83264614    | 83265614     | 83268614     | 83269614        |
|                                                                                                                | R        | W3         |                | 83261624   | 83262624   | 83263624   | 83264624    | 83265624     | 83268624     | 83269624        |
|                                                                                                                | R        | W3R5       |                | 83261634   | 83262634   | 83263634   | 83264634    | 83265634     | 83268634     | 83269634        |
|                                                                                                                | R        | W6A5       |                | 83261644   | 83262644   | 83263644   | 83264644    | 83265644     | 83268644     | 83269644        |
|                                                                                                                | R        | W6D8       |                | 83261654   | 83262654   | 83263654   | 83264654    | 83265654     | 83268654     | 83269654        |
| <br>Lever 260A<br>R60 Pos B | R        | W7A5       |                | 83261664   | -          | 83263664   | 83264664    | 83265664     | 83268664     | 83269664        |
|                                                                                                                | C        | W1         |                | 83261804   | 83262804   | 83263804   | 83264804    | 83265804     | 83268804     | 83269804        |
|                                                                                                                | C        | W2         |                | 83261814   | 83262814   | 83263814   | 83264814    | 83265814     | 83268814     | 83269814        |
|                                                                                                                | C        | W3         |                | 83261824   | 83262824   | 83263824   | 83264824    | 83265824     | 83268824     | 83269824        |
|                                                                                                                | C        | W3R5       |                | 83261834   | 83262834   | 83263834   | 83264834    | 83265834     | 83268834     | 83269834        |
|                                                                                                                | C        | W6A5       |                | 83261844   | 83262844   | 83263844   | 83264844    | 83265844     | 83268844     | 83269844        |
|                                                                                                                | C        | W6D8       |                | 83261854   | 83262854   | 83263854   | 83264854    | 83265854     | 83268854     | 83269854        |
|                                                                                                                | C        | W7A5       |                | 83261864   | -          | 83263864   | 83264864    | 83265864     | 83268864     | 83269864        |
|                                                                                                                | I        | W1         |                | 83261005   | 83262005   | 83263005   | 83264005    | 83265005     | 83268005     | 83269005        |
|                                                                                                                | I        | W2         |                | 83261015   | 83262015   | 83263015   | 83264015    | 83265015     | 83268015     | 83269015        |
|                                                                                                                | I        | W3         |                | 83261025   | 83262025   | 83263025   | 83264025    | 83265025     | 83268025     | 83269025        |
|                                                                                                                | I        | W3R5       |                | 83261035   | 83262035   | 83263035   | 83264035    | 83265035     | 83268035     | 83269035        |
|                                                                                                                | I        | W6A5       |                | 83261045   | 83262045   | 83263045   | 83264045    | 83265045     | 83268045     | 83269045        |
|                                                                                                                | I        | W6D8       |                | 83261055   | 83262055   | 83263055   | 83264055    | 83265055     | 83268055     | 83269055        |
|                                                                                                                | I        | W7A5       |                | 83261065   | -          | 83263065   | 83264065    | 83265065     | 83268065     | 83269065        |
|                                                                                                                | I        | X2         |                | 83261075   | -          | 83263075   | 83264075    | 83265075     | 83268075     | 83269075        |
|                                                                                                                | I        | X3         |                | 83261085   | -          | 83263085   | 83264085    | 83265085     | 83268085     | 83269085        |
|                                                                                                                | I        | X1         |                | 83261095   | -          | 83263095   | 83264095    | 83265095     | 83268095     | 83269095        |
|                                                                                                                | R        | W1         |                | 83261605   | 83262605   | 83263605   | 83264605    | 83265605     | 83268605     | 83269605        |
|                                                                                                                | R        | W2         |                | 83261615   | 83262615   | 83263615   | 83264615    | 83265615     | 83268615     | 83269615        |
|                                                                                                                | R        | W3         |                | 83261625   | 83262625   | 83263625   | 83264625    | 83265625     | 83268625     | 83269625        |
|                                                                                                                | R        | W3R5       |                | 83261635   | 83262635   | 83263635   | 83264635    | 83265635     | 83268635     | 83269635        |
|                                                                                                                | R        | W6A5       |                | 83261645   | 83262645   | 83263645   | 83264645    | 83265645     | 83268645     | 83269645        |
|                                                                                                                | R        | W6D8       |                | 83261655   | 83262655   | 83263655   | 83264655    | 83265655     | 83268655     | 83269655        |
|                                                                                                                | R        | W7A5       |                | 83261665   | -          | 83263665   | 83264665    | 83265665     | 83268665     | 83269665        |
|                                                                                                                | C        | W1         |                | 83261805   | 83262805   | 83263805   | 83264805    | 83265805     | 83268805     | 83269805        |
|                                                                                                                | C        | W2         |                | 83261815   | 83262815   | 83263815   | 83264815    | 83265815     | 83268815     | 83269815        |
|                                                                                                                | C        | W3         |                | 83261825   | 83262825   | 83263825   | 83264825    | 83265825     | 83268825     | 83269825        |
|                                                                                                                | C        | W3R5       |                | 83261835   | 83262835   | 83263835   | 83264835    | 83265835     | 83268835     | 83269835        |
|                                                                                                                | C        | W6A5       |                | 83261845   | 83262845   | 83263845   | 83264845    | 83265845     | 83268845     | 83269845        |
|                                                                                                                | C        | W6D8       |                | 83261855   | 83262855   | 83263855   | 83264855    | 83265855     | 83268855     | 83269855        |
|                                                                                                                | C        | W7A5       |                | 83261865   | -          | 83263865   | 83264865    | 83265865     | 83268865     | 83269865        |

**Note:**

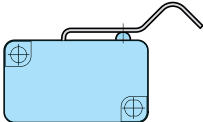
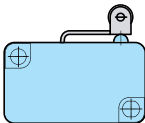
Function: **I** = Changeover - **R** = Normally closed - **C** = Normally open

Connection: **W1** = screws - **W2** = solder - **W3** = for 6.35 mm clips - **W3R5** = for Rast 5 connector

**W6A5** = for 4.8 x 0.5 mm clips - **W6D8** = for 4.8 x 0.8 mm clips - **W7A5** = for 2.8 x 0.5 mm clips

**X2** = rear side for PCB - **X3** = front side for PCB - **X1** = straight for PCB

# Microswitches miniature V3D

|                                                                                                                  |          |            | Rating / Force | 16 A / 2 N | 20 A / 2 N | 16 A / 1 N | 12 A / 0.5 N | 5 A / 0.25 N | 0.05 A / 1 N | 0.05 A / 0.25 N |
|------------------------------------------------------------------------------------------------------------------|----------|------------|----------------|------------|------------|------------|--------------|--------------|--------------|-----------------|
|                                                                                                                  |          |            | Type           | 83261      | 83262      | 83263      | 83264        | 83265        | 83268        | 83269           |
| Actuators                                                                                                        | Function | Connection |                |            |            |            |              |              |              |                 |
| <br>Lever 260F<br>R22.2 Pos B   | I        | W1         |                | 83261006   | 83262006   | 83263006   | 83264006     | 83265006     | 83268006     | 83269006        |
|                                                                                                                  | I        | W2         |                | 83261016   | 83262016   | 83263016   | 83264016     | 83265016     | 83268016     | 83269016        |
|                                                                                                                  | I        | W3         |                | 83261026   | 83262026   | 83263026   | 83264026     | 83265026     | 83268026     | 83269026        |
|                                                                                                                  | I        | W3R5       |                | 83261036   | 83262036   | 83263036   | 83264036     | 83265036     | 83268036     | 83269036        |
|                                                                                                                  | I        | W6A5       |                | 83261046   | 83262046   | 83263046   | 83264046     | 83265046     | 83268046     | 83269046        |
|                                                                                                                  | I        | W6D8       |                | 83261056   | 83262056   | 83263056   | 83264056     | 83265056     | 83268056     | 83269056        |
|                                                                                                                  | I        | W7A5       |                | 83261066   | -          | 83263066   | 83264066     | 83265066     | 83268066     | 83269066        |
|                                                                                                                  | I        | X2         |                | 83261076   | -          | 83263076   | 83264076     | 83265076     | 83268076     | 83269076        |
|                                                                                                                  | I        | X3         |                | 83261086   | -          | 83263086   | 83264086     | 83265086     | 83268086     | 83269086        |
|                                                                                                                  | I        | X1         |                | 83261096   | -          | 83263096   | 83264096     | 83265096     | 83268096     | 83269096        |
|                                                                                                                  | R        | W1         |                | 83261606   | 83262606   | 83263606   | 83264606     | 83265606     | 83268606     | 83269606        |
|                                                                                                                  | R        | W2         |                | 83261616   | 83262616   | 83263616   | 83264616     | 83265616     | 83268616     | 83269616        |
|                                                                                                                  | R        | W3         |                | 83261626   | 83262626   | 83263626   | 83264626     | 83265626     | 83268626     | 83269626        |
|                                                                                                                  | R        | W3R5       |                | 83261636   | 83262636   | 83263636   | 83264636     | 83265636     | 83268636     | 83269636        |
|                                                                                                                  | R        | W6A5       |                | 83261646   | 83262646   | 83263646   | 83264646     | 83265646     | 83268646     | 83269646        |
|                                                                                                                  | R        | W6D8       |                | 83261656   | 83262656   | 83263656   | 83264656     | 83265656     | 83268656     | 83269656        |
|                                                                                                                  | R        | W7A5       |                | 83261666   | -          | 83263666   | 83264666     | 83265666     | 83268666     | 83269666        |
|                                                                                                                  | C        | W1         |                | 83261806   | 83262806   | 83263806   | 83264806     | 83265806     | 83268806     | 83269806        |
|                                                                                                                  | C        | W2         |                | 83261816   | 83262816   | 83263816   | 83264816     | 83265816     | 83268816     | 83269816        |
|                                                                                                                  | C        | W3         |                | 83261826   | 83262826   | 83263826   | 83264826     | 83265826     | 83268826     | 83269826        |
|                                                                                                                  | C        | W3R5       |                | 83261836   | 83262836   | 83263836   | 83264836     | 83265836     | 83268836     | 83269836        |
|                                                                                                                  | C        | W6A5       |                | 83261846   | 83262846   | 83263846   | 83264846     | 83265846     | 83268846     | 83269846        |
|                                                                                                                  | C        | W6D8       |                | 83261856   | 83262856   | 83263856   | 83264856     | 83265856     | 83268856     | 83269856        |
|                                                                                                                  | C        | W7A5       |                | 83261866   | -          | 83263866   | 83264866     | 83265866     | 83268866     | 83269866        |
| <br>Lever 260E<br>R13.7 Pos B | I        | W1         |                | 83261007   | 83262007   | 83263007   | 83264007     | 83265007     | 83268007     | 83269007        |
|                                                                                                                  | I        | W2         |                | 83261017   | 83262017   | 83263017   | 83264017     | 83265017     | 83268017     | 83269017        |
|                                                                                                                  | I        | W3         |                | 83261027   | 83262027   | 83263027   | 83264027     | 83265027     | 83268027     | 83269027        |
|                                                                                                                  | I        | W3R5       |                | 83261037   | 83262037   | 83263037   | 83264037     | 83265037     | 83268037     | 83269037        |
|                                                                                                                  | I        | W6A5       |                | 83261047   | 83262047   | 83263047   | 83264047     | 83265047     | 83268047     | 83269047        |
|                                                                                                                  | I        | W6D8       |                | 83261057   | 83262057   | 83263057   | 83264057     | 83265057     | 83268057     | 83269057        |
|                                                                                                                  | I        | W7A5       |                | 83261067   | -          | 83263067   | 83264067     | 83265067     | 83268067     | 83269067        |
|                                                                                                                  | I        | X2         |                | 83261077   | -          | 83263077   | 83264077     | 83265077     | 83268077     | 83269077        |
|                                                                                                                  | I        | X3         |                | 83261087   | -          | 83263087   | 83264087     | 83265087     | 83268087     | 83269087        |
|                                                                                                                  | I        | X1         |                | 83261097   | -          | 83263097   | 83264097     | 83265097     | 83268097     | 83269097        |
|                                                                                                                  | R        | W1         |                | 83261607   | 83262607   | 83263607   | 83264607     | 83265607     | 83268607     | 83269607        |
|                                                                                                                  | R        | W2         |                | 83261617   | 83262617   | 83263617   | 83264617     | 83265617     | 83268617     | 83269617        |
|                                                                                                                  | R        | W3         |                | 83261627   | 83262627   | 83263627   | 83264627     | 83265627     | 83268627     | 83269627        |
|                                                                                                                  | R        | W3R5       |                | 83261637   | 83262637   | 83263637   | 83264637     | 83265637     | 83268637     | 83269637        |
|                                                                                                                  | R        | W6A5       |                | 83261647   | 83262647   | 83263647   | 83264647     | 83265647     | 83268647     | 83269647        |
|                                                                                                                  | R        | W6D8       |                | 83261657   | 83262657   | 83263657   | 83264657     | 83265657     | 83268657     | 83269657        |
|                                                                                                                  | R        | W7A5       |                | 83261667   | -          | 83263667   | 83264667     | 83265667     | 83268667     | 83269667        |
|                                                                                                                  | C        | W1         |                | 83261807   | 83262807   | 83263807   | 83264807     | 83265807     | 83268807     | 83269807        |
|                                                                                                                  | C        | W2         |                | 83261817   | 83262817   | 83263817   | 83264817     | 83265817     | 83268817     | 83269817        |
|                                                                                                                  | C        | W3         |                | 83261827   | 83262827   | 83263827   | 83264827     | 83265827     | 83268827     | 83269827        |
|                                                                                                                  | C        | W3R5       |                | 83261837   | 83262837   | 83263837   | 83264837     | 83265837     | 83268837     | 83269837        |
|                                                                                                                  | C        | W6A5       |                | 83261847   | 83262847   | 83263847   | 83264847     | 83265847     | 83268847     | 83269847        |
|                                                                                                                  | C        | W6D8       |                | 83261857   | 83262857   | 83263857   | 83264857     | 83265857     | 83268857     | 83269857        |
|                                                                                                                  | C        | W7A5       |                | 83261867   | -          | 83263867   | 83264867     | 83265867     | 83268867     | 83269867        |

## Note:

Function: **I** = Changeover - **R** = Normally closed - **C** = Normally open

Connection: **W1** = screws - **W2** = solder - **W3** = for 6.35 mm clips - **W3R5** = for Rast 5 connector

**W6A5** = for 4.8 x 0.5 mm clips - **W6D8** = for 4.8 x 0.8 mm clips - **W7A5** = for 2.8 x 0.5 mm clips

**X2** = rear side for PCB - **X3** = front side for PCB - **X1** = straight for PCB

|                                                                                                                  |          |            | Rating / Force | 16 A / 2 N | 20 A / 2 N | 16 A / 1 N | 12 A / 0.5 N | 5 A / 0.25 N | 0.05 A / 1 N | 0.05 A / 0.25 N |
|------------------------------------------------------------------------------------------------------------------|----------|------------|----------------|------------|------------|------------|--------------|--------------|--------------|-----------------|
|                                                                                                                  |          |            | Type           | 83261      | 83262      | 83263      | 83264        | 83265        | 83268        | 83269           |
| Actuators                                                                                                        | Function | Connection |                |            |            |            |              |              |              |                 |
| <br>Lever 260E<br>R24.3 Pos B   | I        | W1         |                | 83261008   | 83262008   | 83263008   | 83264008     | 83265008     | 83268008     | 83269008        |
|                                                                                                                  | I        | W2         |                | 83261018   | 83262018   | 83263018   | 83264018     | 83265018     | 83268018     | 83269018        |
|                                                                                                                  | I        | W3         |                | 83261028   | 83262028   | 83263028   | 83264028     | 83265028     | 83268028     | 83269028        |
|                                                                                                                  | I        | W3R5       |                | 83261038   | 83262038   | 83263038   | 83264038     | 83265038     | 83268038     | 83269038        |
|                                                                                                                  | I        | W6A5       |                | 83261048   | 83262048   | 83263048   | 83264048     | 83265048     | 83268048     | 83269048        |
|                                                                                                                  | I        | W6D8       |                | 83261058   | 83262058   | 83263058   | 83264058     | 83265058     | 83268058     | 83269058        |
|                                                                                                                  | I        | W7A5       |                | 83261068   | -          | 83263068   | 83264068     | 83265068     | 83268068     | 83269068        |
|                                                                                                                  | I        | X2         |                | 83261078   | -          | 83263078   | 83264078     | 83265078     | 83268078     | 83269078        |
|                                                                                                                  | I        | X3         |                | 83261088   | -          | 83263088   | 83264088     | 83265088     | 83268088     | 83269088        |
|                                                                                                                  | I        | X1         |                | 83261098   | -          | 83263098   | 83264098     | 83265098     | 83268098     | 83269098        |
|                                                                                                                  | R        | W1         |                | 83261608   | 83262608   | 83263608   | 83264608     | 83265608     | 83268608     | 83269608        |
|                                                                                                                  | R        | W2         |                | 83261618   | 83262618   | 83263618   | 83264618     | 83265618     | 83268618     | 83269618        |
|                                                                                                                  | R        | W3         |                | 83261628   | 83262628   | 83263628   | 83264628     | 83265628     | 83268628     | 83269628        |
|                                                                                                                  | R        | W3R5       |                | 83261638   | 83262638   | 83263638   | 83264638     | 83265638     | 83268638     | 83269638        |
|                                                                                                                  | R        | W6A5       |                | 83261648   | 83262648   | 83263648   | 83264648     | 83265648     | 83268648     | 83269648        |
|                                                                                                                  | R        | W6D8       |                | 83261658   | 83262658   | 83263658   | 83264658     | 83265658     | 83268658     | 83269658        |
|                                                                                                                  | R        | W7A5       |                | 83261668   | -          | 83263668   | 83264668     | 83265668     | 83268668     | 83269668        |
|                                                                                                                  | C        | W1         |                | 83261808   | 83262808   | 83263808   | 83264808     | 83265808     | 83268808     | 83269808        |
|                                                                                                                  | C        | W2         |                | 83261818   | 83262818   | 83263818   | 83264818     | 83265818     | 83268818     | 83269818        |
|                                                                                                                  | C        | W3         |                | 83261828   | 83262828   | 83263828   | 83264828     | 83265828     | 83268828     | 83269828        |
|                                                                                                                  | C        | W3R5       |                | 83261838   | 83262838   | 83263838   | 83264838     | 83265838     | 83268838     | 83269838        |
|                                                                                                                  | C        | W6A5       |                | 83261848   | 83262848   | 83263848   | 83264848     | 83265848     | 83268848     | 83269848        |
|                                                                                                                  | C        | W6D8       |                | 83261858   | 83262858   | 83263858   | 83264858     | 83265858     | 83268858     | 83269858        |
|                                                                                                                  | C        | W7A5       |                | 83261868   | -          | 83263868   | 83264868     | 83265868     | 83268868     | 83269868        |
| <br>Lever 260G<br>R13.8 Pos B | I        | W1         |                | 83261009   | 83262009   | 83263009   | 83264009     | 83265009     | 83268009     | 83269009        |
|                                                                                                                  | I        | W2         |                | 83261019   | 83262019   | 83263019   | 83264019     | 83265019     | 83268019     | 83269019        |
|                                                                                                                  | I        | W3         |                | 83261029   | 83262029   | 83263029   | 83264029     | 83265029     | 83268029     | 83269029        |
|                                                                                                                  | I        | W3R5       |                | 83261039   | 83262039   | 83263039   | 83264039     | 83265039     | 83268039     | 83269039        |
|                                                                                                                  | I        | W6A5       |                | 83261049   | 83262049   | 83263049   | 83264049     | 83265049     | 83268049     | 83269049        |
|                                                                                                                  | I        | W6D8       |                | 83261059   | 83262059   | 83263059   | 83264059     | 83265059     | 83268059     | 83269059        |
|                                                                                                                  | I        | W7A5       |                | 83261069   | -          | 83263069   | 83264069     | 83265069     | 83268069     | 83269069        |
|                                                                                                                  | I        | X2         |                | 83261079   | -          | 83263079   | 83264079     | 83265079     | 83268079     | 83269079        |
|                                                                                                                  | I        | X3         |                | 83261089   | -          | 83263089   | 83264089     | 83265089     | 83268089     | 83269089        |
|                                                                                                                  | I        | X1         |                | 83261099   | -          | 83263099   | 83264099     | 83265099     | 83268099     | 83269099        |
|                                                                                                                  | R        | W1         |                | 83261609   | 83262609   | 83263609   | 83264609     | 83265609     | 83268609     | 83269609        |
|                                                                                                                  | R        | W2         |                | 83261619   | 83262619   | 83263619   | 83264619     | 83265619     | 83268619     | 83269619        |
|                                                                                                                  | R        | W3         |                | 83261629   | 83262629   | 83263629   | 83264629     | 83265629     | 83268629     | 83269629        |
|                                                                                                                  | R        | W3R5       |                | 83261639   | 83262639   | 83263639   | 83264639     | 83265639     | 83268639     | 83269639        |
|                                                                                                                  | R        | W6A5       |                | 83261649   | 83262649   | 83263649   | 83264649     | 83265649     | 83268649     | 83269649        |
|                                                                                                                  | R        | W6D8       |                | 83261659   | 83262659   | 83263659   | 83264659     | 83265659     | 83268659     | 83269659        |
|                                                                                                                  | R        | W7A5       |                | 83261669   | -          | 83263669   | 83264669     | 83265669     | 83268669     | 83269669        |
|                                                                                                                  | C        | W1         |                | 83261809   | 83262809   | 83263809   | 83264809     | 83265809     | 83268809     | 83269809        |
|                                                                                                                  | C        | W2         |                | 83261819   | 83262819   | 83263819   | 83264819     | 83265819     | 83268819     | 83269819        |
|                                                                                                                  | C        | W3         |                | 83261829   | 83262829   | 83263829   | 83264829     | 83265829     | 83268829     | 83269829        |
|                                                                                                                  | C        | W3R5       |                | 83261839   | 83262839   | 83263839   | 83264839     | 83265839     | 83268839     | 83269839        |
|                                                                                                                  | C        | W6A5       |                | 83261849   | 83262849   | 83263849   | 83264849     | 83265849     | 83268849     | 83269849        |
|                                                                                                                  | C        | W6D8       |                | 83261859   | 83262859   | 83263859   | 83264859     | 83265859     | 83268859     | 83269859        |
|                                                                                                                  | C        | W7A5       |                | 83261869   | -          | 83263869   | 83264869     | 83265869     | 83268869     | 83269869        |

**Note:**

Function: **I** = Changeover - **R** = Normally closed - **C** = Normally open

Connection: **W1** = screws - **W2** = solder - **W3** = for 6.35 mm clips - **W3R5** = for Rast 5 connector

**W6A5** = for 4.8 x 0.5 mm clips - **W6D8** = for 4.8 x 0.8 mm clips - **W7A5** = for 2.8 x 0.5 mm clips

**X2** = rear side for PCB - **X3** = front side for PCB - **X1** = straight for PCB



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