# 3SE International Limit Switches <br> Position Switches <br> 3SE3 160 / 3SE3 180 <br> Metal enclosure with molded cable, 30 and 40 mm width 

## Overview

In harsh industrial environments and in installations with limited space, the small 3SE3 160 and 3SE3 180 compact switches are ideal. The switches are already equipped with a molded cable of 2 m in length and can therefore be installed in the smallest spaces.

Both the housing and the actuator head are made of metal and therefore meet the high IP 67 degree of protection. Various actuator heads, in the form of roller plungers, overtravel plungers and roller cranks, are available.

They can be fitted alternatively with snap-action contacts. 1 NO +1 NC. The NC contact complies with the requirements for positive opening according to IEC 60 947-5-1.
The 3SE3 1 position switch with molded cable is available in different sizes:

- The 3SE3 180 series complies with the EU standard and features a 30 mm wide enclosure with drilled holes at a spacing of 20 mm .
- The 3SE3 160 series meets the requirements of the US market and features a 40 mm wide enclosure with drilled holes at a spacing of 25 mm .

Technical data
\(\left.$$
\begin{array}{ll}\text { Switching frequency } & 30 / \mathrm{min} \\
\begin{array}{l}\text { Rated insulation voltage } U_{\mathrm{i}} \\
\text { Pollution degree }\end{array}
$$ \& 500 \mathrm{~V} <br>

Class 3\end{array}\right]\)| Conventional thermal current $I_{\mathrm{th}}$ |
| :--- |$\quad 10 \mathrm{~A}$.


| Degree of protection <br> Contact opening <br> Operating speed <br> up to 80\% operating distance | IP 67 |
| :--- | :--- |
| - 3SE3 1.0-.C. | $2 \times 1.25 \mathrm{~mm}$ |
| - 3SE3 1.0-.D. | $\leq 1 \mathrm{~m} / \mathrm{s}$ |
| - 3SE3 1.0-.G. | Vertical $\leq 1 \mathrm{~m} / \mathrm{s}$ |
| Lateral $\leq 0.5 \mathrm{~m} / \mathrm{s}$ |  |
|  | $\leq 1.5 \mathrm{~m} / \mathrm{s}$ |

## Selection and ordering data

2 contacts - Degree of protection IP 67

|  | Actuator |  | 3SE3 1 position sw with 2 snap-action |  | Weight Approx. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3SE3 180-1C |  | Enclos. width | 6 mm st <br> Ident. No. 11 acc. to EN 50013 |  |  |
| 3SE3 180-1D |  | mm | Order No. | List Price \$ <br> 1 unit | kg |
|  | Overtravel plunger | 30 | $\rightarrow$ 3SE3 180-1C | 36.00 | 0.316 |
|  |  | 40 | $\rightarrow$ 3SE3 160-1C | 73.00 | 0.332 |
|  | - with M 12 thread fixing | 30 | $\rightarrow$ 3SE3 180-1CJ | 42.00 | 0.335 |
|  |  | 40 | $\rightarrow$ 3SE3 160-1CJ | 75.00 | 0.351 |
| 3SE3 160-1G | Roller plunger | 30 | $\rightarrow$ 3SE3 180-1D | 50.00 | 0.323 |
|  |  | 40 | $\rightarrow$ 3SE3 160-1D | 89.00 | 0.348 |
|  | - with M 12 thread fixing | 30 | $\rightarrow$ 3SE3 180-1DJ | 55.00 | 0.334 |
|  |  | 40 | $\rightarrow$ 3SE3 160-1DJ | 97.00 | 0.364 |
|  | Roller crank | 30 | $\rightarrow$ 3SE3 180-1G | 37.00 | 0.366 |
|  |  | 40 | $\rightarrow$ 3SE3 160-1G | 73.00 | 0.395 |

Positive opening acc. to IEC 60 947-5-1, Appendix K.

Switch blocks and travel


## 3SE3 160 / 3SE3 180

Metal enclosure with molded cable, 30 and 40 mm width
Dimension drawings

3SE3 180-C


3SE3 180-D


3SE3 180-.G


3SE3 160-.C


3SE3 160-.D


## 3SE3 180-.CJ



## 3SE3 180-.DJ



3SE3 160-.G


3SE3 160-.CJ


3SE3 160-.DJ


[^0]
[^0]:    All devices with 2 m cable

