

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

Metal enclosures, 40 mm and 56 mm

Configuration

Operation, operating speed and travel or angle of actuators

Bars, cams, stops, etc. are used as actuators. The shape of the actuator must provide the given angles for the leading and trailing edges.

Actuating speed in the direction of the plunger axis

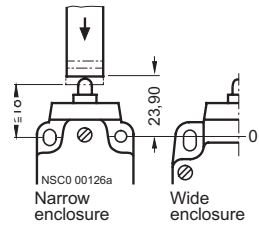
The actuating speed in the case of position switches with slow-action contacts is not permitted to go lower than 15 mm/s for DC and 1 mm/s for AC. Position switches with snap-action contacts should be used when the speeds are lower.

Position switches with 2 or 4 contacts

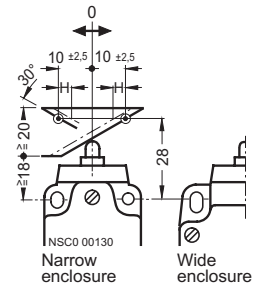
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Contact blocks	Nominal travel
<ul style="list-style-type: none"> ⊙ Operating point according to EN 50041 V_{max} Max. operating speed 0-line Reference line according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> 0-line Reference line according to EN 50041 NO Operating travel according to EN 50041 Contact closed Contact open * Operating point on return ** Positive opening according to IEC 60947-5-1 		

Plungers Along plunger axis Lateral actuation Along plunger axis

3SE2 100-B,
3SE2 120-B,
3SE2 404-B



$V_{max} = 1.5 \text{ m/s}$

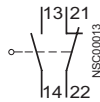


$V_{max} = 0.5 \text{ m/s}$

Minimum force required in direction of operation: 12 N

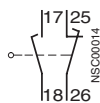
Slow-action contacts

1 NO 1 NC

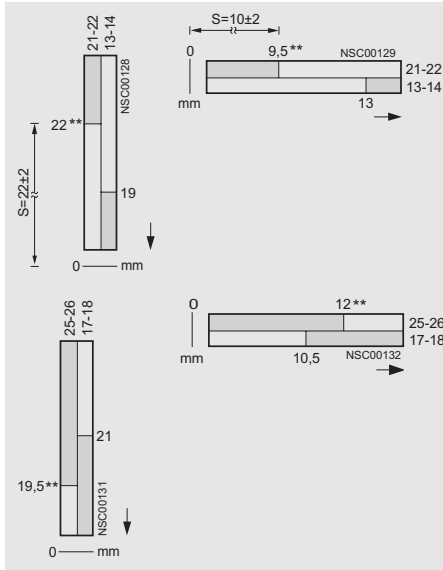


3SE3 000-0A,
3SE3 010-0A,
Ident. No. **11**

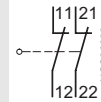
1 NO +1 NC with make-before-break



3SE3 000-3A,
3SE3 010-3A,
Ident. No. **11**

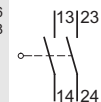


2 NC

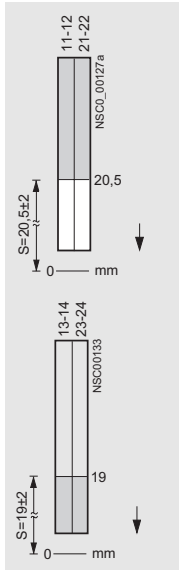


3SE3 000-6A,
Ident. No. **02**

2 NO

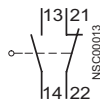


3SE3 000-7A,
Ident. No. **20**

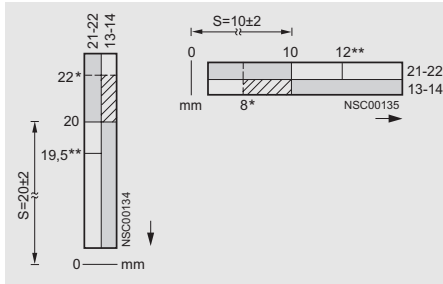


Snap-action contacts

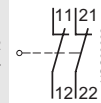
1 NO 1 NC



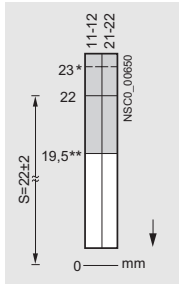
3SE3 000-1A,
3SE3 010-1A,
Ident. No. **11**



2 NC



3SE3 000-1AV00,
3SE3 010-1AV00,
Ident. No. **02**



3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

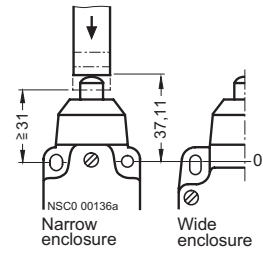
Metal enclosures, 40 mm and 56 mm

Position switches with 2 or 4 contacts

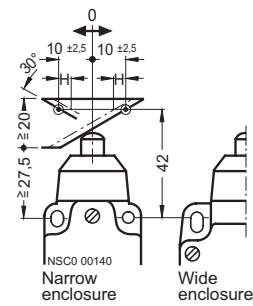
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Contact blocks	Nominal travel
<p>○ Operating point according to EN 50041</p> <p>v_{max} Max. operating speed</p> <p>0-line Reference line according to EN 50041</p> <p>H Travel difference</p> <p>→ Direction of operation</p>	<p>Terminal designation according to EN 50013</p>	<p>0-line Reference line according to EN 50041</p> <p>NO Operating travel according to EN 50041</p> <p>▬ Contact closed</p> <p>□ Contact open</p> <p>* Operating point on return</p> <p>** Positive opening according to IEC 60947-5-1</p>		

Rounded plungers, type B

3SE2 100-C,
3SE2 120-C,
3SE2 230-C,
3SE2 404-C



$v_{max} = 1.5$ m/s

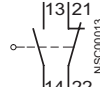


$v_{max} = 0.5$ m/s

Minimum force required in direction of operation: 32 N

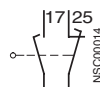
Slow-action contacts

1 NO 1 NC



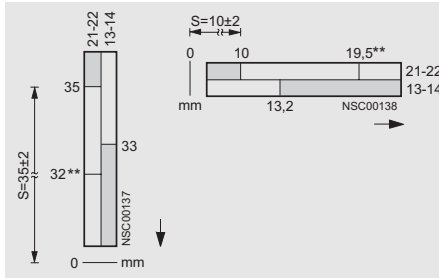
3SE3 000-0A,
3SE3 010-0A,
Ident. No. 11

1 NO +1 NC with
make-before-break

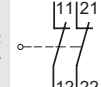


3SE3 000-3A,
3SE3 010-3A,
Ident. No. 11

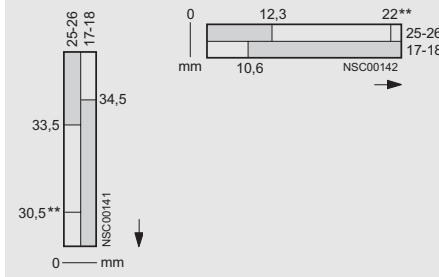
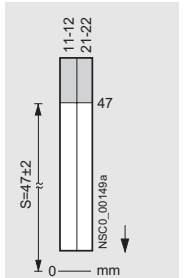
Along plunger axis Lateral actuation



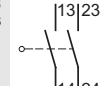
2 NC



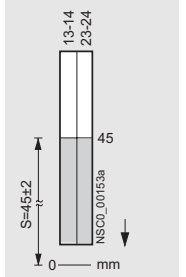
3SE3 000-6A,
Ident. No. 02



2 NO

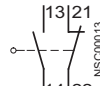


3SE3 000-7A,
Ident. No. 20

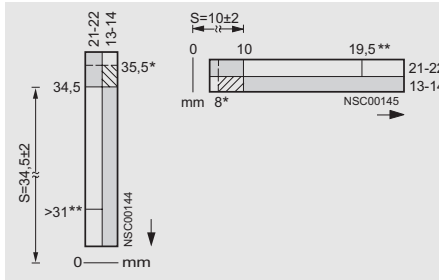


Snap-action contacts

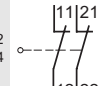
1 NO 1 NC



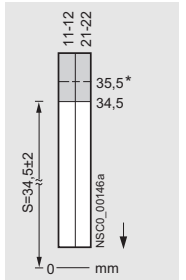
3SE3 000-1A,
3SE3 010-1A,
Ident. No. 11



2 NC



3SE3 000-8AV00,
Ident. No. 02





3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

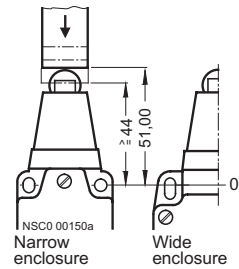
Metal enclosures, 40 mm and 56 mm

Position switches with 2 or 4 contacts

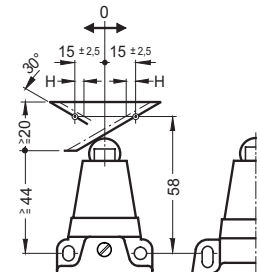
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Contact blocks	Nominal travel
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 v_{max} Max. operating speed 0-line Reference line according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	0-line Reference line according to EN 50041 NO Operating travel according to EN 50041  Contact closed  Contact open * Operating point on return ** Positive opening according to IEC 60947-5-1		

Roller plungers, type C

3SE2 100-D,
3SE2 120-D,
3SE2 230-D,
3SE2 404-D



$v_{max} = 1.5$ m/s



$v_{max} = 1$ m/s (3SE3 230-1D),
 $v_{max} = 0.5$ m/s (3SE3 1.0-1D),
Minimum force required in direction of operation: 32 N

Slow-action contacts

1 NO 1 NC



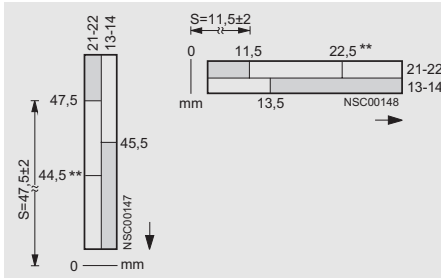
3SE3 000-0A,
3SE3 010-0A,
Ident. No. 11

1 NO +1 NC with make-before-break

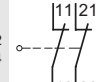


3SE3 000-3A,
3SE3 010-3A,
Ident. No. 11

Along plunger axis Lateral actuation

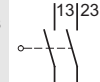


2 NC

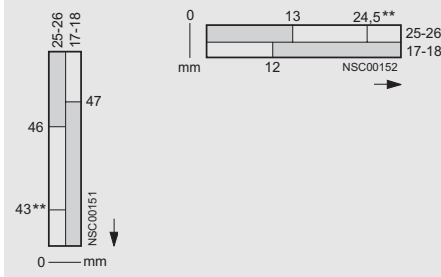


3SE3 000-6A,
Ident. No. 02

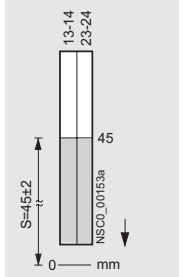
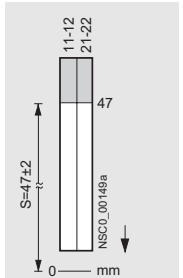
2 NO



3SE3 000-7A,
Ident. No. 20



Along plunger axis

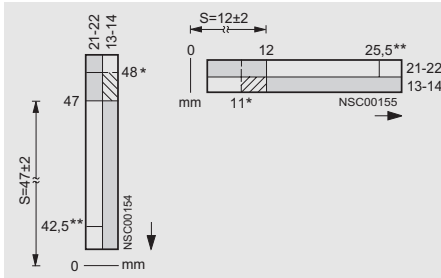


Snap-action contacts

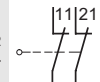
1 NO 1 NC



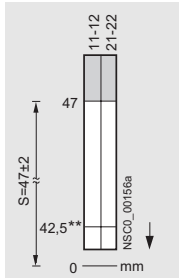
3SE3 000-1A,
3SE3 010-1A,
Ident. No. 11



2 NC



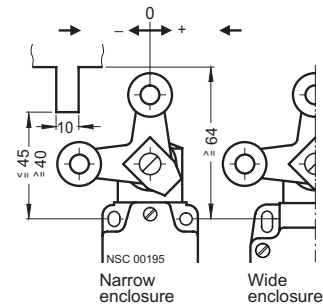
3SE3 000-8AV00,
Ident. No. 02



Fork levers

3SE2 100-1T,
3SE2 120-1T,
3SE2 404-1T

Lateral actuation



$v_{max} = 2$ m/s

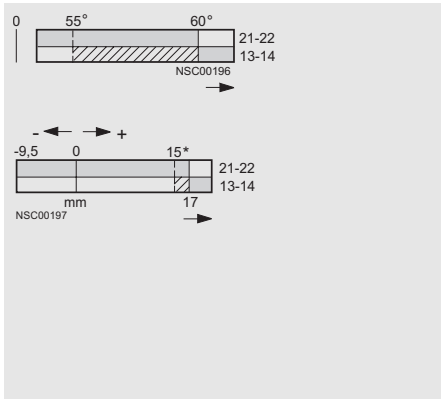
Snap-action contacts

1 NO 1 NC

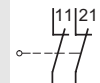


3SE3 000-1A,
3SE3 010-1A,
Ident. No. 11

Deflection in direction of rotation



2 NC



3SE3 000-8AV00,
16
Ident. No. 02

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

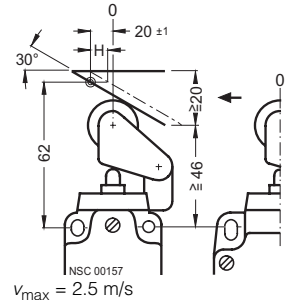
Metal enclosures, 40 mm and 56 mm

Position switches with 2 or 4 contacts

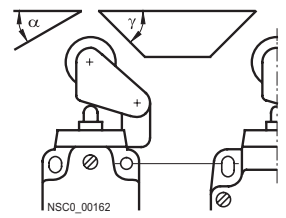
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Contact blocks	Nominal travel
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 a, g Approach angle v_{max} Max. operating speed 0-line Reference line acc. EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> 0-line Reference line acc. EN 50041 NO Operating travel acc. EN 50041 ■ Contact closed □ Contact open * Operating point on return ** Positive opening according to IEC 60947-5-1 		

Roller levers

3SE2 100-E, 3SE2 120-E,
3SE2 230-E, 3SE2 404-E



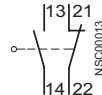
$v_{max} = 2.5 \text{ m/s}$



$v_{max} = 1 \text{ m/s}$, $\alpha_{max} = 30^\circ$, $\gamma_{max} = 45^\circ$
Minimum force required in direction of operation: 12 N

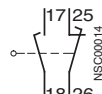
Slow-action contacts

1 NO 1 NC



3SE3 000-0A,
3SE3 010-0A,
Ident. No. 11

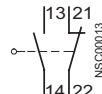
1 NO +1 NC with
make-before-break



3SE3 000-3A,
3SE3 010-3A,
Ident. No. 11

Snap-action contacts

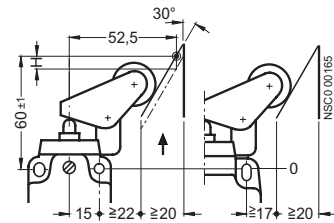
1 NO 1 NC



3SE3 000-1A,
3SE3 010-1A,
Ident. No. 11

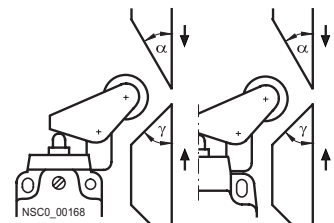
Angular roller levers

3SE2 100-F, 3SE2 120-F,
3SE2 230-F, 3SE2 404-F



Narrow enclosure
 $v_{max} = 2.5 \text{ m/s}$

Wide enclosure

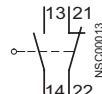


Narrow enclosure
 $v_{max} = 1 \text{ m/s}$, $\alpha_{max} = 30^\circ$, $\gamma_{max} = 45^\circ$

Minimum force required in direction of operation: 12 N

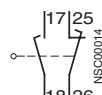
Slow-action contacts

1 NO 1 NC



3SE3 000-0A,
3SE3 010-0A,
Ident. No. 11

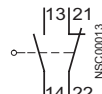
1 NO +1 NC with
make-before-break



3SE3 000-3A,
3SE3 010-3A,
Ident. No. 11

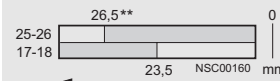
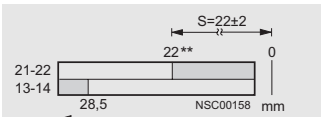
Snap-action contacts

1 NO 1 NC

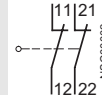


3SE3 000-1A,
3SE3 010-1A,
Ident. No. 11

Lateral actuation

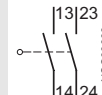


2 NC

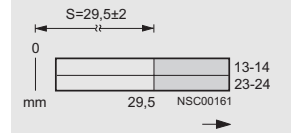
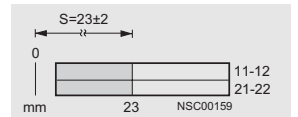


3SE3 000-6A,
Ident. No. 02

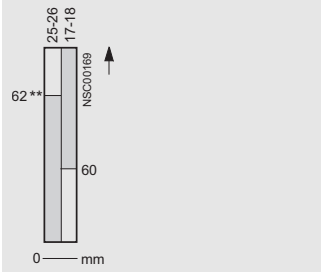
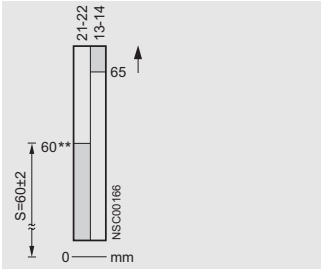
2 NO



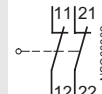
3SE3 000-7A,
Ident. No. 20



Along plunger axis

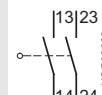


2 NC

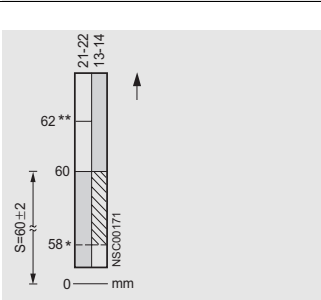
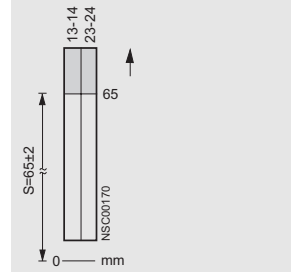
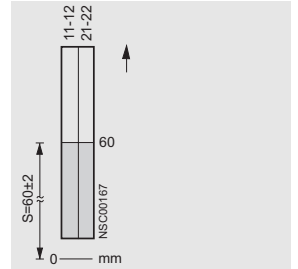


3SE3 000-6A,
Ident. No. 02

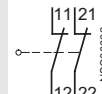
2 NO



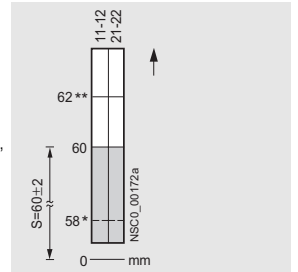
3SE3 000-7A,
Ident. No. 20



2 NC



3SE3 000-8AV00,
Ident. No. 02



3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

Metal enclosures, 40 mm and 56 mm

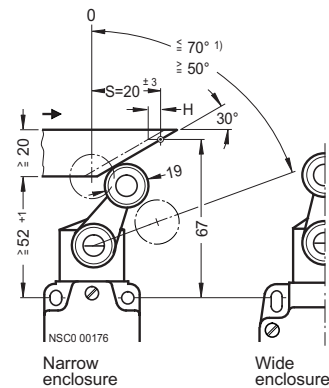
Position switches with 2 or 4 contacts

Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Contact blocks	Nominal travel
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 a Approach angle b Trailing angle v_{max} Max. operating speed 0-line Reference line according to EN 50041 S Operating travel according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> 0-line Reference line according to EN 50041 NO Operating travel according to EN 50041 Contact closed Contact open * Operating point on return ** Positive opening according to IEC 60947-5-1 		

Twist levers, type A

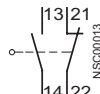
Repositionable and finely adjustable from 10° to 10°

3SE2 100--GW, 3SE2 120--GW, 3SE2 230--GW, 3SE2 404--GW



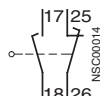
Slow-action contacts

1 NO 1 NC



3SE3 000-0A, 3SE3 010-0A, Ident. No. **11**

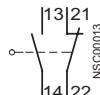
1 NO +1 NC with make-before-break



3SE3 000-3A, 3SE3 010-3A, Ident. No. **11**

Snap-action contacts

1 NO 1 NC



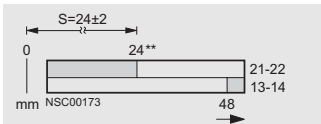
3SE3 000-1A, 3SE3 010-1A, Ident. No. **11**

$v_{max} = 3 \text{ m/s}$

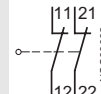
Minimum torque in direction of operation: 25 Ncm

Contact operation either from right or left or from right and left.

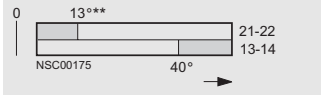
Lateral actuation



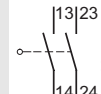
2 NC



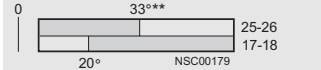
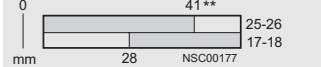
3SE3 000-6A, Ident. No. **02**



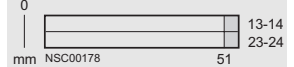
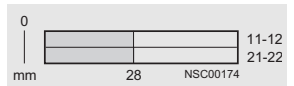
2 NO



3SE3 000-7A, Ident. No. **20**



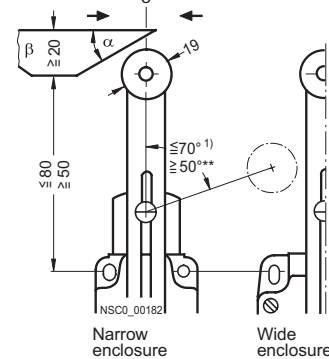
Lateral actuation



Twist levers, adjustable length

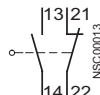
Finely adjustable from 10° to 10°

3SE2 100--UW, 3SE2 120--UW, 3SE2 230--U, 3SE2 404--UW



Slow-action contacts

1 NO 1 NC



3SE3 000-0A, 3SE3 010-0A, Ident. No. **11**

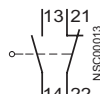
1 NO +1 NC with make-before-break



3SE3 000-3A, 3SE3 010-3A, Ident. No. **11**

Snap-action contacts

1 NO 1 NC



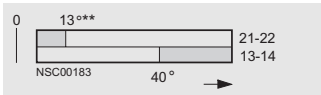
3SE3 000-1A, 3SE3 010-1A, Ident. No. **11**

$v_{max} = 1 \text{ m/s}$, $\alpha_{max} = 30^\circ$, $\beta_{max} = 30^\circ$

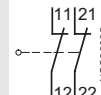
Minimum torque in direction of operation: 25 Ncm

Contact operation either from right or left or from right and left.

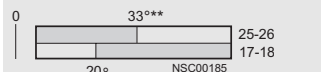
Deflection in direction of rotation



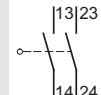
2 NC



3SE3 000-6A, Ident. No. **02**

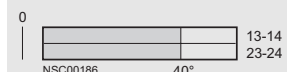
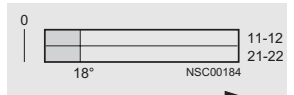


2 NO



3SE3 000-7A, Ident. No. **20**

Deflection in direction of rotation




1) Max. operating angle 70°.

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

Metal enclosures, 40 mm and 56 mm

Position switches with 2 or 4 contacts

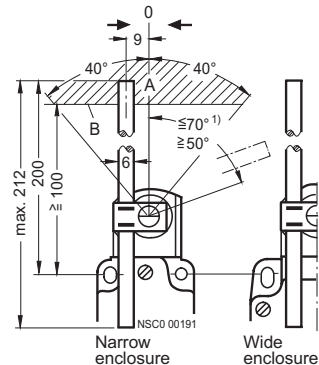
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Contact blocks	Nominal travel
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 v_{max} Max. operating speed 0-line Reference line according to EN 50041 → Direction of operation 	Terminal designation according to EN 50013	0-line Reference line according to EN 50041  * Operating point on return ** Positive opening according to IEC 60947-5-1		

Rod actuators

Finely adjustable from 10° to 10°

3SE2 100-.WW, 3SE2 120-.WW, 3SE2 230-.W, 3SE2 404-.WW

3SE2 100-.VW, 3SE2 120-.VW, 3SE2 230-.V, 3SE2 404-.VW



A = Operating range
B = Lower edge of actuator

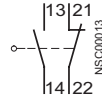
$v_{max} = 3 \text{ m/s}$

Minimum torque in direction of operation: 25 Nm

Contact operation is possible from either right or left. By twisting the plunger from the right and left.

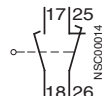
Slow-action contacts

1 NO 1 NC



3SE3 000-0A, 3SE3 010-0A, Ident. No. **11**

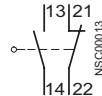
1 NO +1 NC with make-before-break



3SE3 000-3A, 3SE3 010-3A, Ident. No. **11**

Snap-action contact

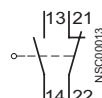
1 NO 1 NC



3SE3 000-1A, 3SE3 010-1A, Ident. No. **11**

Snap-action contacts

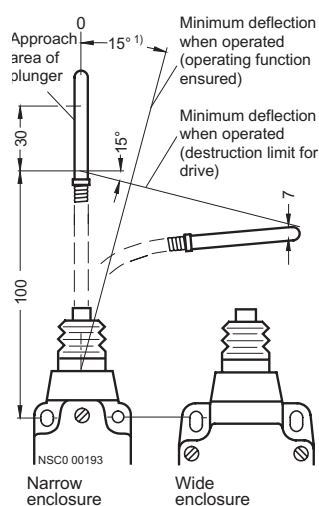
1 NO 1 NC



3SE3 000-1A, 3SE3 010-1A, Ident. No. **11**

Spring rods

3SE2 100-1R, 3SE2 120-1R, 3SE2 230-1R



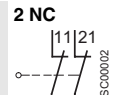
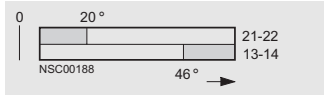
$v_{max} = 1 \text{ m/s}$, approachable from all sides

Minimum force required in direction of operation: 12 N

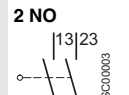
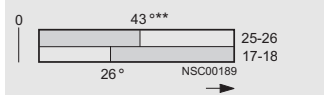
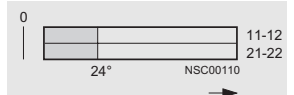
with lateral deflection at the tip: 2.5 N

In direction of rotation

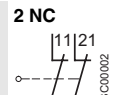
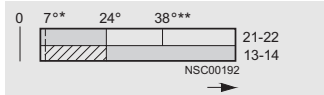
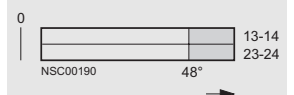
In direction of rotation



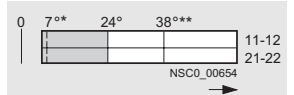
3SE3 000-6A, Ident. No. **02**



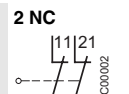
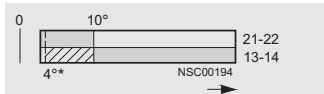
3SE3 000-7A, Ident. No. **20**



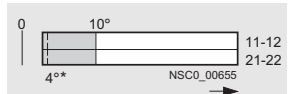
3SE3 000-8AV00, Ident. No. **02**



Deflection of spring rod



3SE3 000-8AV00, Ident. No. **02**



1) Max. operating angle 70°.

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

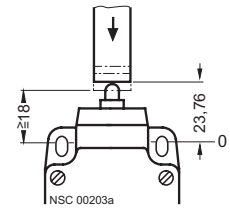
Metal enclosures, 40 mm and 56 mm

Position switches with 3 contacts

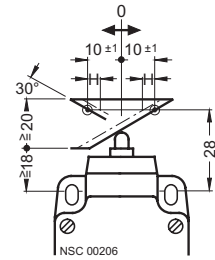
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Minimum force required in direction of operation
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 V_{max} Max. operating speed O-line Reference line according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> O-line Reference line according to EN 50041 NO Operating travel according to EN 50041 Contact closed Contact open * Operating point on return ** Positive opening according to IEC 60947-5-1 	

Plungers Slow-action contacts

3SE2 303-B

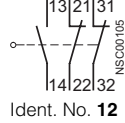


$V_{max} = 1.5 \text{ m/s}$

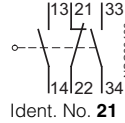


$V_{max} = 0.5 \text{ m/s}$

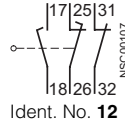
1 NO +2 NC



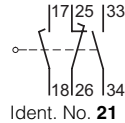
2 NO 1 NC



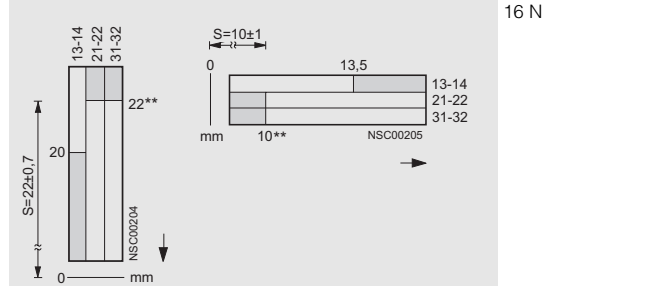
1 NO 2 NC with make-before-break



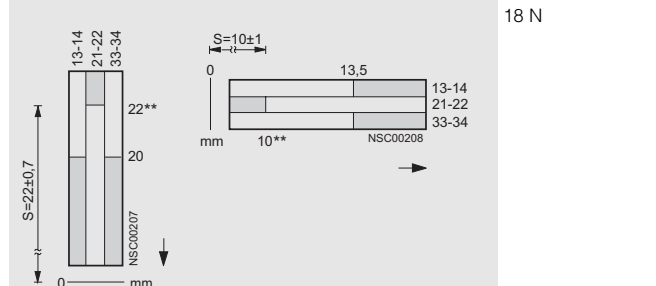
2 NO +1 NC with make-before-break



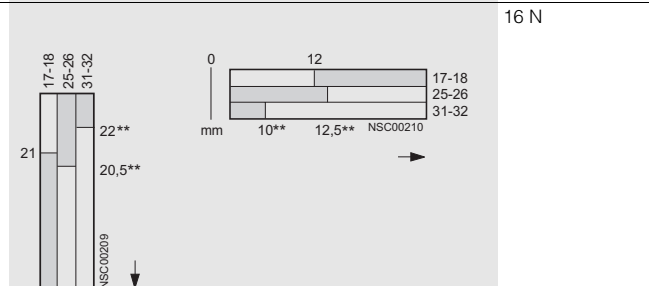
Along plunger axis Lateral actuation



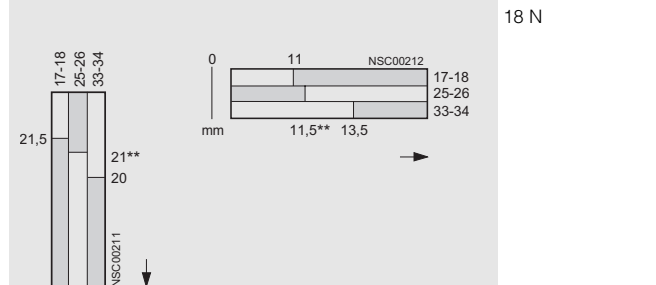
16 N



18 N



16 N



18 N

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

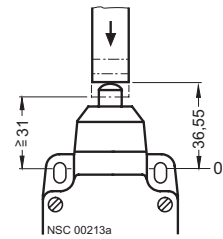
Metal enclosures, 40 mm and 56 mm

Position switches with 3 contacts

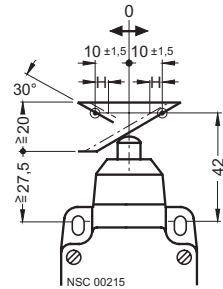
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Minimum force required in direction of operation
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 V_{max} Max. operating speed O-line Reference line according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> O-line Reference line according to EN 50041 NO Operating travel according to EN 50041 Contact closed Contact open * Operating point on return ** Positive opening according to IEC 60947-5-1 	

Rounded plungers

3SE2 303-C



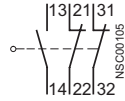
$V_{max} = 1.5$ m/s



$V_{max} = 0.5$ m/s

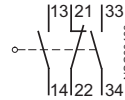
Slow-action contacts

1 NO +2 NC



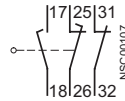
Ident. No. **12**

2 NO 1 NC



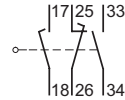
Ident. No. **21**

1 NO 2 NC with make-before-break



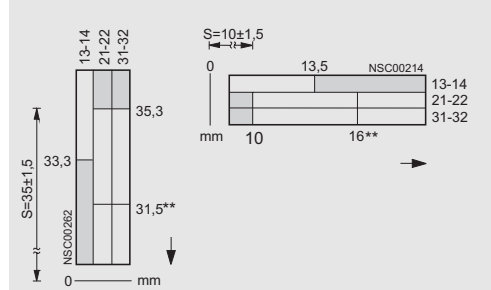
Ident. No. **12**

2 NO +1 NC with make-before-break

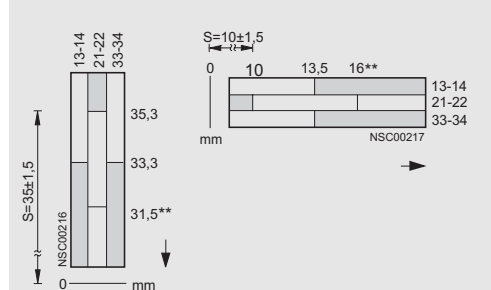


Ident. No. **21**

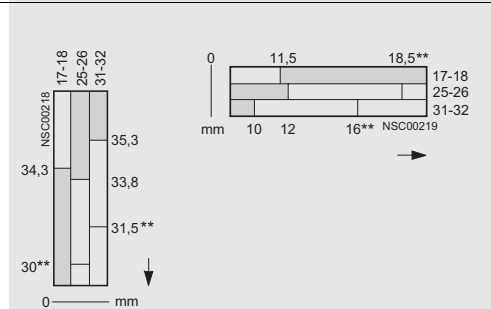
Along plunger axis Lateral actuation



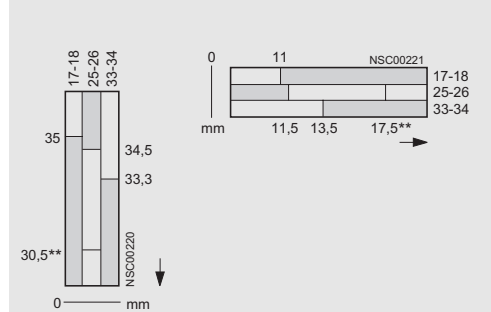
35 N



37 N



35 N



37 N

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

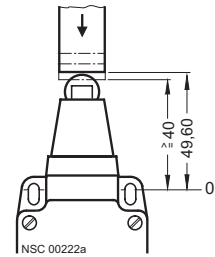
Metal enclosures, 40 mm and 56 mm

Position switches with 3 contacts

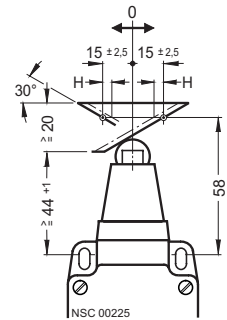
Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Minimum force required in direction of operation
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 V_{max} Max. operating speed O-line Reference line according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> O-line Reference line according to EN 50041 NO Operating travel according to EN 50041 ■ Contact closed □ Contact open * ** Operating point on return Positive opening according to IEC 60947-5-1 	

Roller plungers

3SE2 303--D



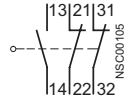
$V_{max} = 1.5 \text{ m/s}$



$V_{max} = 1 \text{ m/s}$

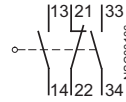
Slow-action contacts

1 NO +2 NC



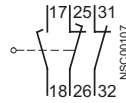
Ident. No. **12**

2 NO 1 NC



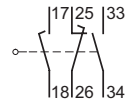
Ident. No. **21**

1 NO 2 NC with make-before-break



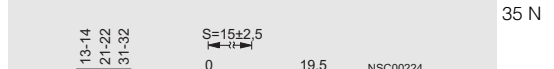
Ident. No. **12**

2 NO +1 NC with make-before-break

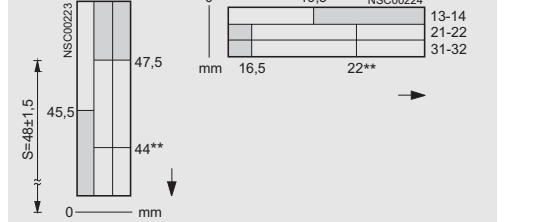


Ident. No. **21**

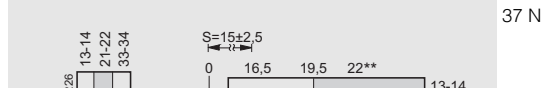
Along plunger axis Lateral actuation



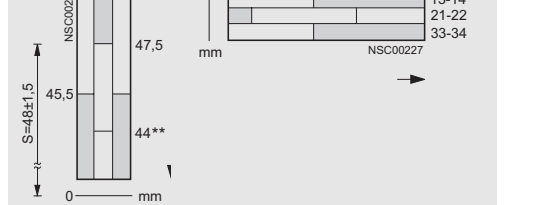
35 N



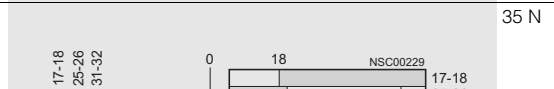
37 N



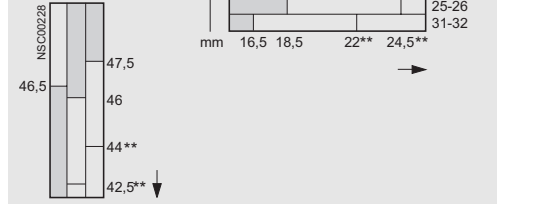
35 N



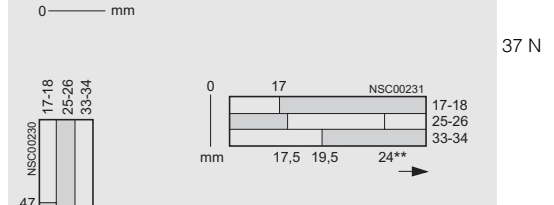
37 N



35 N



37 N



35 N



37 N

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

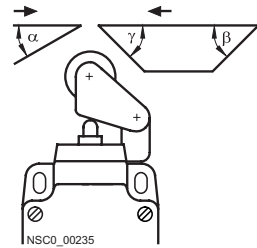
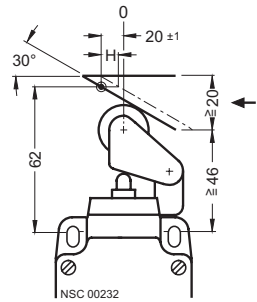
Metal enclosures, 40 mm and 56 mm

Position switches with 3 contacts

Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Minimum force required in direction of operation
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 a Approach angle b Trailing angle g Approach angle v_{max} Max. operating speed O-line Reference line according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> O-line Reference line according to EN 50041 NO Operating travel according to EN 50041 Contact closed Contact open ** Positive opening according to IEC 60947-5-1 	

Roller levers

3SE2 303-E



For lateral actuation:

$v_{max} = 1$ m/s at $\alpha_{max} = 30^\circ$

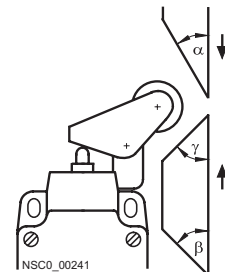
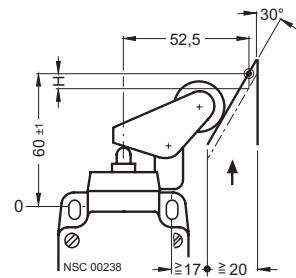
$v_{max} = 2.5$ m/s at $\gamma_{max} = 45^\circ$

$\beta_{max} = 45^\circ$

For operation along plunger axis: $v_{max} = 1.5$ m/s

Angular roller levers

3SE2 303-F



For operation along plunger axis:

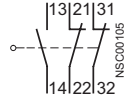
$v_{max} = 1$ m/s at $\alpha_{max} = 30^\circ$

$v_{max} = 2.5$ m/s at $\gamma_{max} = 45^\circ$

$v_{max} = 2.5$ m/s at $\beta_{max} = 45^\circ$

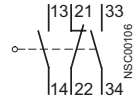
Slow-action contacts

1 NO +2 NC



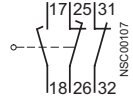
Ident. No. **12**

2 NO 1 NC



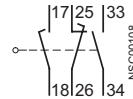
Ident. No. **21**

1 NO 2 NC with make-before-break



Ident. No. **12**

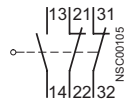
2 NO +1 NC with make-before-break



Ident. No. **21**

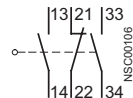
Slow-action contacts

1 NO +2 NC



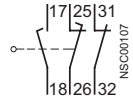
Ident. No. **12**

2 NO 1 NC



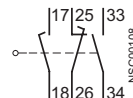
Ident. No. **21**

1 NO 2 NC with make-before-break



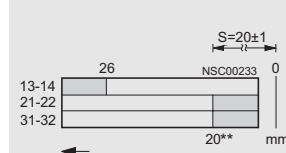
Ident. No. **12**

2 NO +1 NC with make-before-break

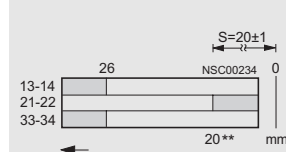


Ident. No. **21**

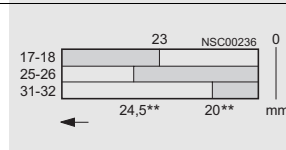
Lateral actuation



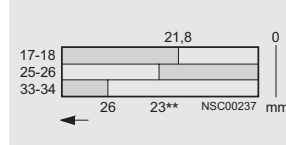
15 N



17 N

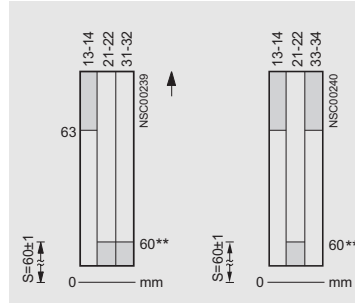


15 N

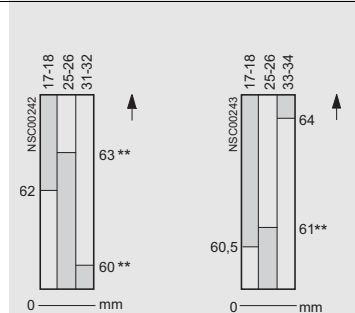


17 N

Along plunger axis



15 N



15 N

17 N

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

Metal enclosures, 40 mm and 56 mm

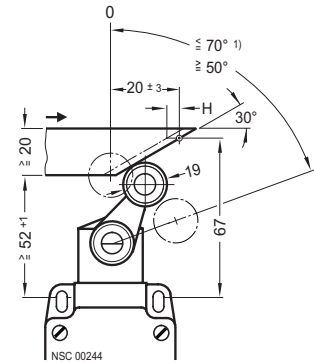
Position switches with 3 contacts

Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Minimum torque in direction of rotation
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 V_{max} Max. operating speed O-line Reference line according to EN 50041 H Travel difference → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> O-line Reference line according to EN 50041 NO Operating travel according to EN 50041 Contact closed Contact open ** Positive opening according to IEC 60947-5-1 	

Twist levers

Finely adjustable from 10° to 10°

3SE2 303-.GW-Z A31

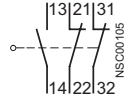


$V_{max} = 3 \text{ m/s}$

Contact operation is possible from either right or left. By twisting the plunger from the right and left.

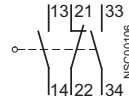
Slow-action contacts

1 NO +2 NC



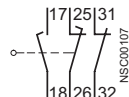
Ident. No. **12**

2 NO 1 NC



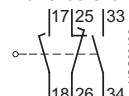
Ident. No. **21**

1 NO 2 NC with make-before-break



Ident. No. **12**

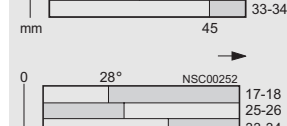
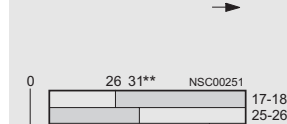
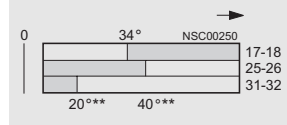
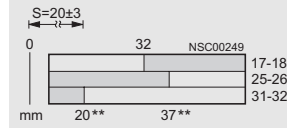
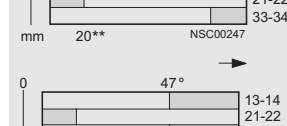
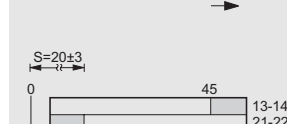
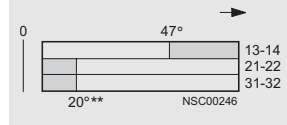
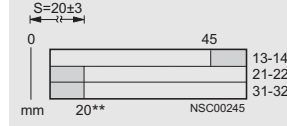
2 NO +1 NC with make-before-break



Ident. No. **21**

Lateral actuation

25 Ncm



1) Max. operating angle 70°.
Max. deflection for adjustment purposes 90°.

3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

Metal enclosures, 40 mm and 56 mm

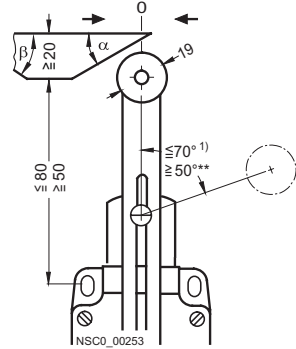
Position switches with 3 contacts

Operation by bar (standard)	Contact blocks	Nominal travel (measured)	Minimum torque in direction of rotation
<ul style="list-style-type: none"> ○ Operating point according to EN 50041 α Approach angle β Trailing angle v_{max} Max. operating speed 0-line Reference line according to EN 50041 → Direction of operation 	Terminal designation according to EN 50013	<ul style="list-style-type: none"> 0-line Reference line according to EN 50041 NO Operating travel according to EN 50041 Contact closed Contact open ** Positive opening according to IEC 60947-5-1 	

Twist levers, adjustable length

Finely adjustable from 10° to 10°

3SE2 303-.UW

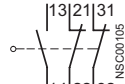


$v_{max} = 3 \text{ m/s}$,
 $\alpha_{max} = 30^\circ$,
 $\beta_{max} = 30^\circ$

Contact operation is possible from either right or left. By twisting the plunger from the right and left.

Slow-action contacts

1 NO +2 NC



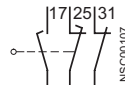
Ident. No. **12**

2 NO 1 NC



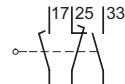
Ident. No. **21**

1 NO 2 NC with make-before-break



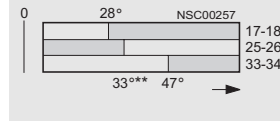
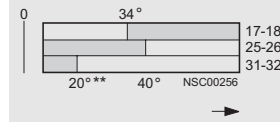
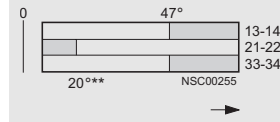
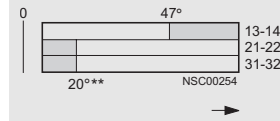
Ident. No. **12**

2 NO +1 NC with make-before-break



Ident. No. **21**

Lateral actuation

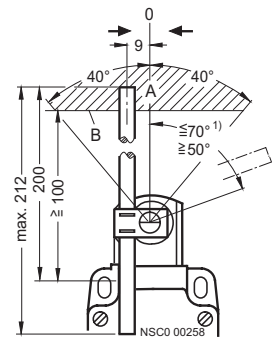


25 Ncm

Rod actuators

Finely adjustable from 10° to 10°

3SE2 303-.WW, 3SE2 303-.VW



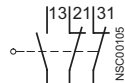
A = Operating range
 B = Lower edge of actuator

$v_{max} = 3 \text{ m/s}$

Contact operation is possible from either right or left. By twisting the plunger from the right and left.

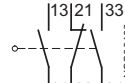
Slow-action contacts

1 NO +2 NC



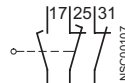
Ident. No. **12**

2 NO 1 NC



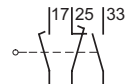
Ident. No. **21**

1 NO 2 NC with make-before-break



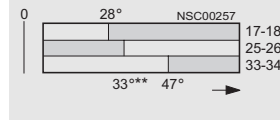
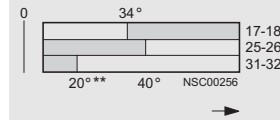
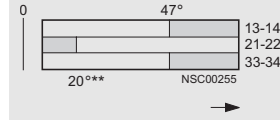
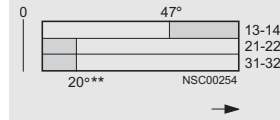
Ident. No. **12**

2 NO +1 NC with make-before-break



Ident. No. **21**

Deflection in direction of rotation



25 Ncm

1) Max. operating angle 70°.
 Max. deflection for adjustment purposes 90°.

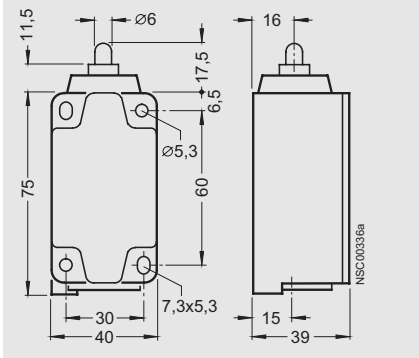
3SE2, 3SE3, 3SF3 Position Switches

3SE2, 3SE3 Position Switches

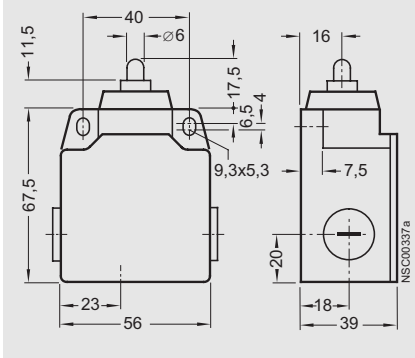
Metal enclosures, 40 mm and 56 mm

Dimensional drawings

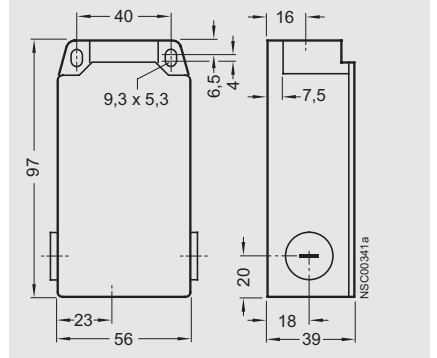
3SE2 120
narrow enclosure, 2 contacts,
with plunger



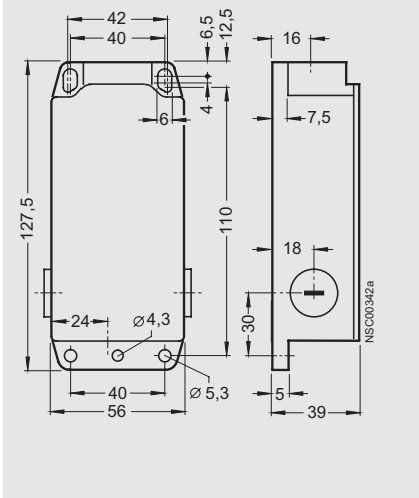
3SE2 100
wide enclosure, 2 contacts,
with plunger



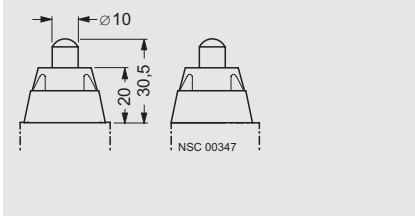
3SE2 303
wide enclosure, 3 contacts



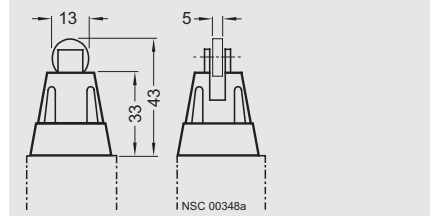
3SE2 404
wide enclosure, 4 contacts



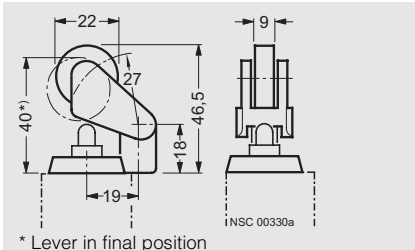
Rounded plunger, type B



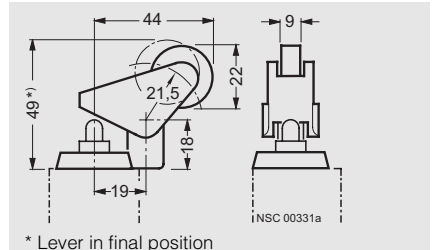
Roller plunger, type C



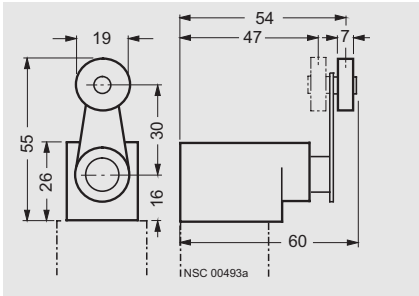
Roller lever



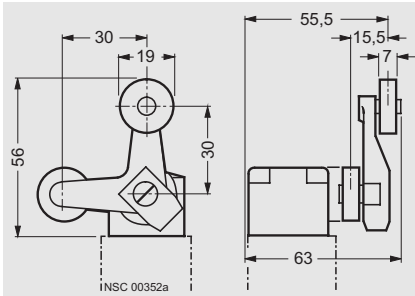
Angular roller lever



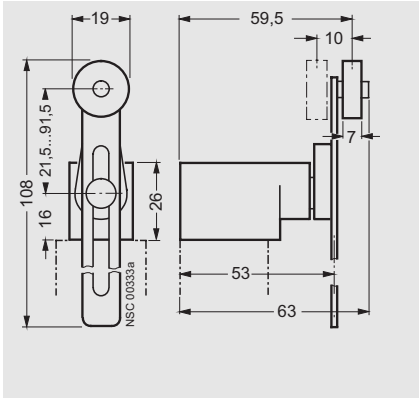
Twist lever, type A



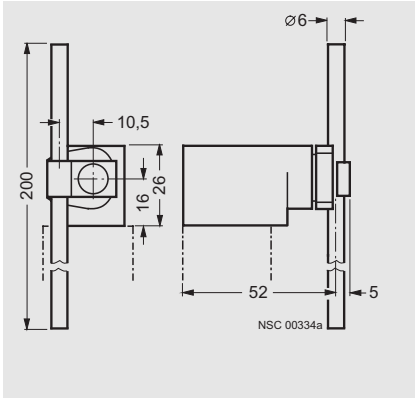
Fork lever



Twist lever, adjustable length



Rod actuator, adjustable length, type D



Spring rod

