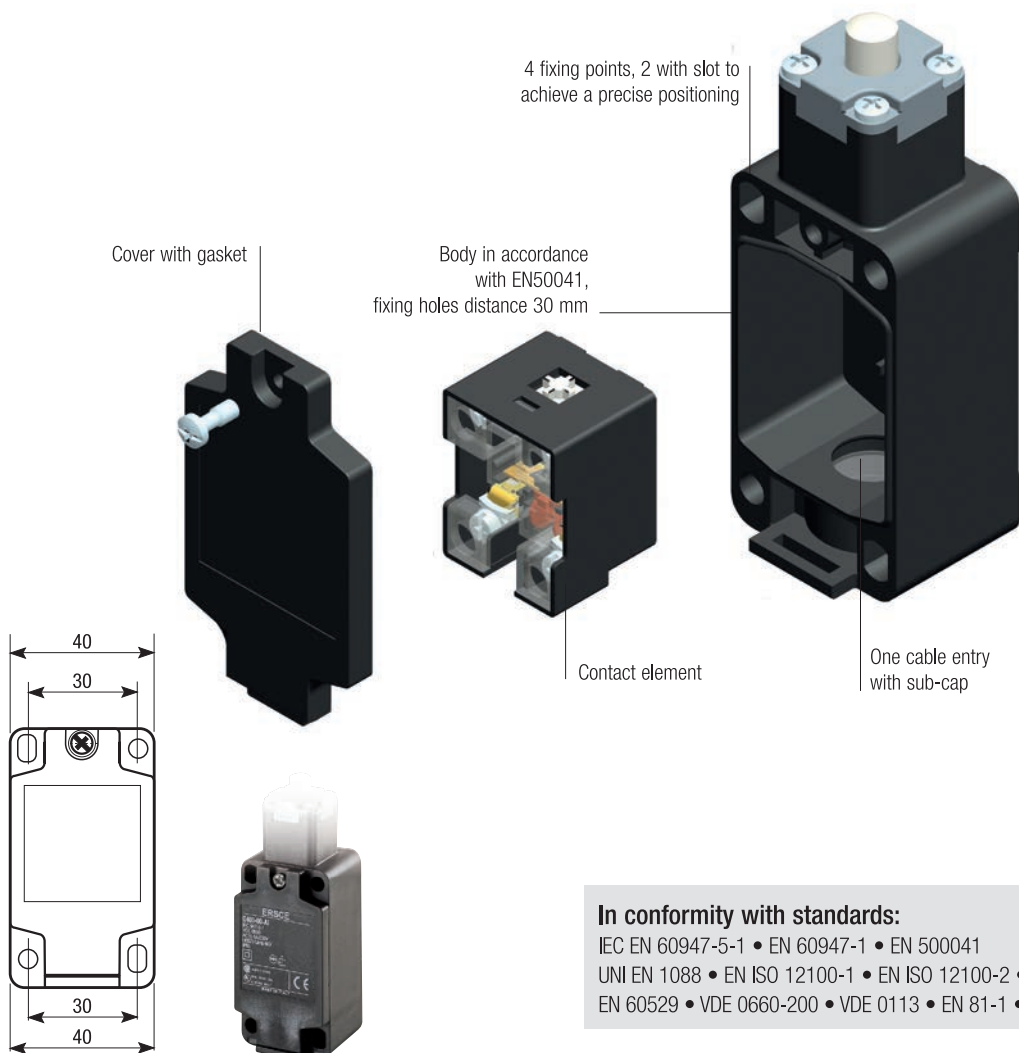


Limit switches E400 series



E400 series

The **E400** series is the most robust of Bremas position switches. Dimensions are in accordance with CENELEC EN 50041, 4 fixing holes with distance 30 mm. It is equipped with one hole for cable entry on the bottom of the switch. Available with metal actuators and thermoplastic or metal body.



Fixing
body in accordance with CENELEC EN50041, with 4 fixing holes with 30 mm horizontal distance.

Cable entry
1 cable entry on the bottom of the switch with thread:

In conformity with standards:

IEC EN 60947-5-1 • EN 60947-1 • EN 500041
UNI EN 1088 • EN ISO 12100-1 • EN ISO 12100-2 • IEC 529
EN 60529 • VDE 0660-200 • VDE 0113 • EN 81-1 • EN 81-2

Thread

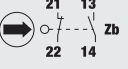
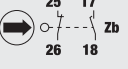
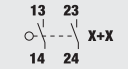
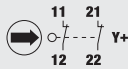
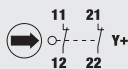
Pg 13,5
M20x1,5
1/2" NPT (on request)
M12 connector (on request)

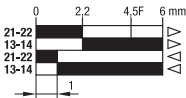
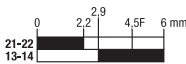
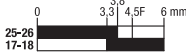
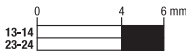

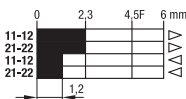
Series part no.

E400...
E401...
E402...
E400...M12



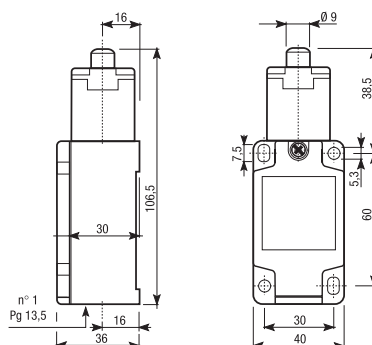
Steel plunger

Contact element	
1NO+1NC azione rapida 	00
1NO+1NC azione lenta 	01
1NO+1NC lenta sovrapp. 	02
2NO azione lenta 	03
2NC azione lenta 	04
2NC azione rapida 	05
Weight	kg
Pack	pcs

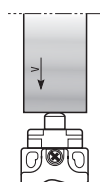
Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000AI*	E40000AM*	E40100AI*	E40100AM*	
E40001AI*	E40001AM*	E40101AI*	E40101AM*	
E40002AI	E40002AM	E40102AI	E40102AM	
E40003AI	E40003AM	E40103AI	E40103AM	
E40004AI	E40004AM	E40104AI	E40104AM	
E40005AI	E40005AM	E40105AI	E40105AM	
0,245	0,36	0,245	0,36	
1	1	1	1	

 standard article

* form conforming to EN 50041



Drive cam operating parameters



V max (m/s) 0,5

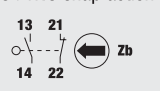
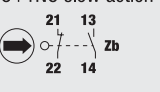
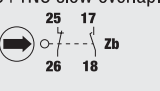
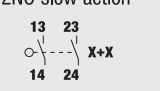
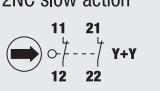
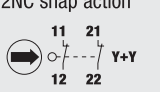
Drive forces

Minimum command force 9 N

Minimum forced opening force 28 N



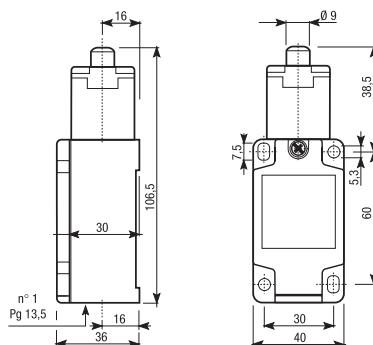
Steel plunger with rubber gasket

Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

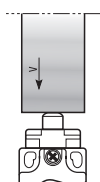
Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000AIS1*	E40000AMS1*	E40100AIS1*	E40100AMS1*	<p>Diagram showing contact travel for E40000AIS1* and E40100AMS1*. The diagram has a horizontal axis from 0 to 6 mm with markers at 0, 2.2, 4.5F, and 6 mm. Vertical lines indicate contact points for different wire counts: 21-22, 13-14, and 21-22, 13-14. A dimension of 1 mm is shown at the bottom.</p>
E40001AIS1*	E40001AMS1*	E40101AIS1*	E40101AMS1*	<p>Diagram showing contact travel for E40001AIS1* and E40101AMS1*. The diagram has a horizontal axis from 0 to 6 mm with markers at 0, 2.2, 2.9, 4.5F, and 6 mm. Vertical lines indicate contact points for different wire counts: 21-22 and 13-14.</p>
E40002AIS1	E40002AMS1	E40102AIS1	E40102AMS1	<p>Diagram showing contact travel for E40002AIS1 and E40102AMS1. The diagram has a horizontal axis from 0 to 6 mm with markers at 0, 3.8, 3.1, 4.5F, and 6 mm. Vertical lines indicate contact points for different wire counts: 25-26 and 17-18.</p>
E40003AIS1	E40003AMS1	E40103AIS1	E40103AMS1	<p>Diagram showing contact travel for E40003AIS1 and E40103AMS1. The diagram has a horizontal axis from 0 to 6 mm with markers at 0, 4, and 6 mm. Vertical lines indicate contact points for different wire counts: 13-14 and 23-24.</p>
E40004AIS1	E40004AMS1	E40104AIS1	E40104AMS1	<p>Diagram showing contact travel for E40004AIS1 and E40104AMS1. The diagram has a horizontal axis from 0 to 6 mm with markers at 0, 2.7, 4.5F, and 6 mm. Vertical lines indicate contact points for different wire counts: 11-12 and 21-22.</p>
E40005AIS1	E40005AMS1	E40105AIS1	E40105AMS1	<p>Diagram showing contact travel for E40005AIS1 and E40105AMS1. The diagram has a horizontal axis from 0 to 6 mm with markers at 0, 2.3, 4.5F, and 6 mm. Vertical lines indicate contact points for different wire counts: 11-12, 21-22, 11-12, and 21-22. A dimension of 1.2 mm is shown at the bottom.</p>
0,245	0,36	0,245	0,36	
1	1	1	1	

 standard article

* form conforming to EN 50041



Drive cam operating parameters



V max (m/s)	0,5
Drive forces	
Minimum command force	9 N
Minimum forced opening force	28 N



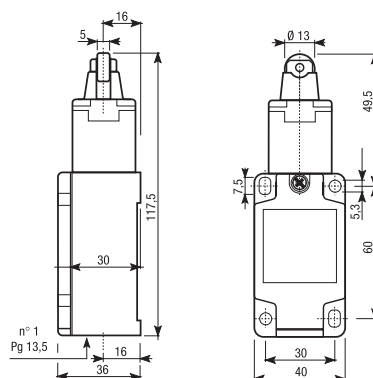
Steel roller plunger

Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

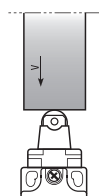
Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000BI*	E40000BM*	E40100BI*	E40100BM*	
E40001BI*	E40001BM*	E40101BI*	E40101BM*	
E40002BI	E40002BM	E40102BI	E40102BM	
E40003BI	E40003BM	E40103BI	E40103BM	
E40004BI	E40004BM	E40104BI	E40104BM	
E40005BI	E40005BM	E40105BI	E40105BM	
0,255	0,37	0,255	0,37	
1	1	1	1	

standard article

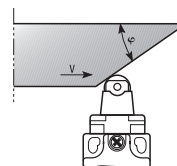
* form conforming to EN 50041



Drive cam operating parameters




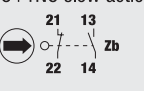
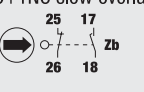
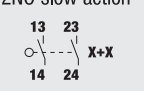
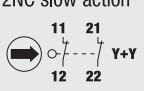
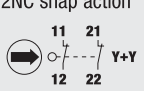
V max (m/s)	0,5
Drive forces	
Minimum command force	9 N
Minimum forced opening force	28 N

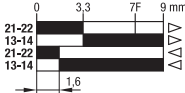
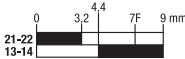
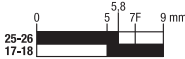
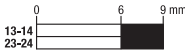

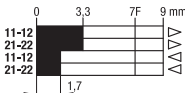


Φ	V max (m/s)
20°	1
30°	0,5
Drive forces	
Minimum command force	9 N
Minimum forced opening force	28 N

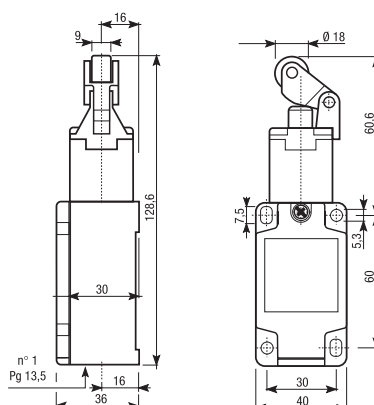


Thermoplastic roller lever, side actuation

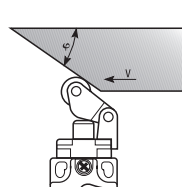
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000CI	E40000CM	E40100CI	E40100CM	
E40001CI	E40001CM	E40101CI	E40101CM	
E40002CI	E40002CM	E40102CI	E40102CM	
E40003CI	E40003CM	E40103CI	E40103CM	
E40004CI	E40004CM	E40104CI	E40104CM	
E40005CI	E40005CM	E40105CI	E40105CM	
0,255	0,37	0,255	0,37	
1	1	1	1	

 standard article



Drive cam operating parameters


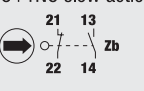
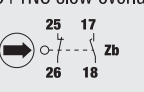
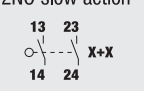
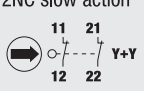
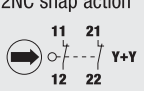


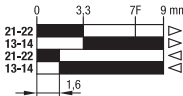
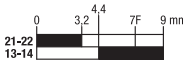
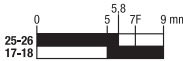
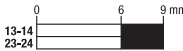

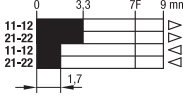
φ	V max (m/s)
20°	1
30°	0,5

Drive forces	
Minimum command force	9 N
Minimum forced opening force	26 N

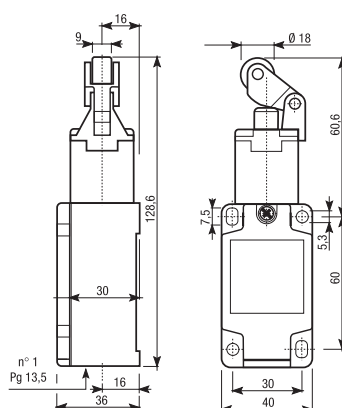


Thermoplastic roller lever with rubber gasket, side actuation

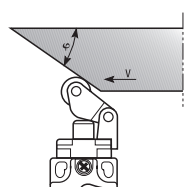
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000CIS1	E40000CMS1	E40100CIS1	E40100CMS1	
E40001CIS1	E40001CMS1	E40101CIS1	E40101CMS1	
E40002CIS1	E40002CMS1	E40102CIS1	E40102CMS1	
E40003CIS1	E40003CMS1	E40103CIS1	E40103CMS1	
E40004CIS1	E40004CMS1	E40104CIS1	E40104CMS1	
E40005CIS1	E40005CMS1	E40105CIS1	E40105CMS1	
0,255	0,37	0,255	0,37	
1	1	1	1	

 standard article

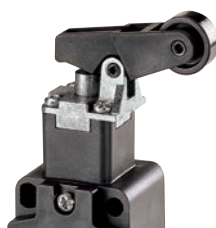


Drive cam operating parameters

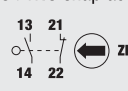
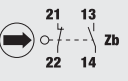

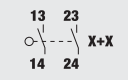
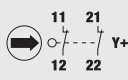
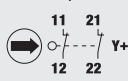


φ	V max (m/s)
20°	1
30°	0,5

Drive forces	
Minimum command force	9 N
Minimum forced opening force	26 N

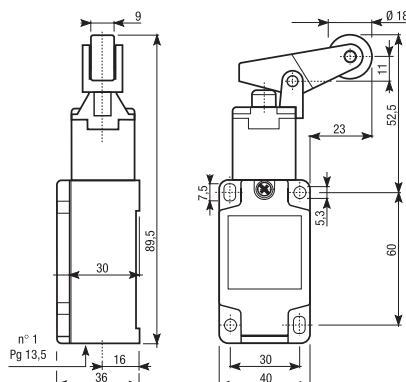


Thermoplastic roller lever, vertical actuation

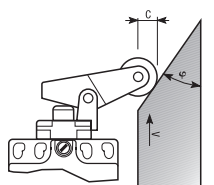
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000DI	E40000DM	E40100DI	E40100DM	

 standard article



Drive cam operating parameters

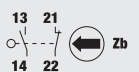
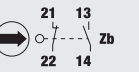
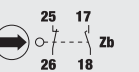
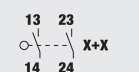
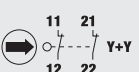
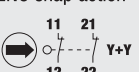


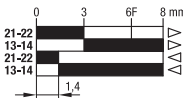
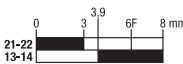
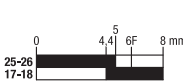
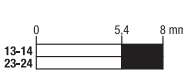
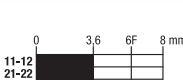
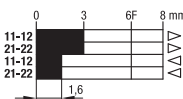
φ	V max (m/s)
20°	1
30°	0,5

Drive forces	
Minimum command force	9 N
Minimum forced opening force	26 N

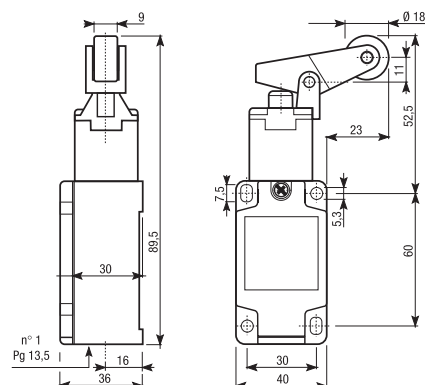


Thermoplastic roller lever with rubber gasket, vertical actuation

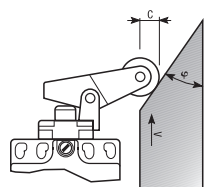
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000DIS1	E40000DMS1	E40100DIS1	E40100DMS1	
E40001DIS1	E40001DMS1	E40101DIS1	E40101DMS1	
E40002DIS1	E40002DMS1	E40102DIS1	E40102DMS1	
E40003DIS1	E40003DMS1	E40103DIS1	E40103DMS1	
E40004DIS1	E40004DMS1	E40104DIS1	E40104DMS1	
E40005DIS1	E40005DMS1	E40105DIS1	E40105DMS1	
0,255	0,37	0,255	0,37	
1	1	1	1	

 standard article



Drive cam operating parameters


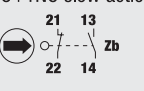
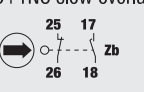
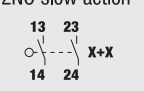
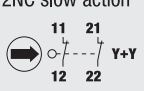
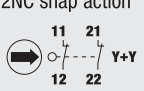


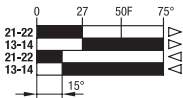
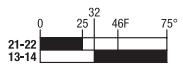
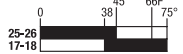

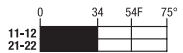
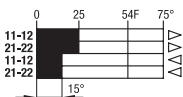
φ	V max (m/s)
20°	1
30°	0,5

Drive forces	
Minimum command force	9 N
Minimum forced opening force	26 N

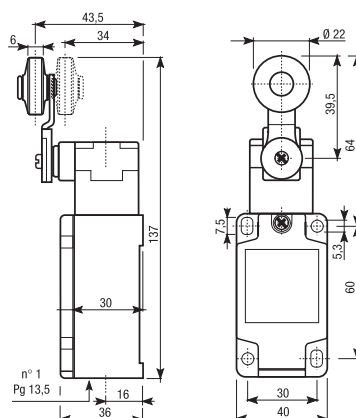


Thermoplastic roller lever

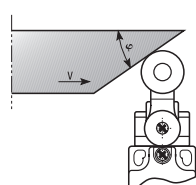
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000EI	E40000EM	E40100EI	E40100EM	
E40001EI	E40001EM	E40101EI	E40101EM	
E40002EI	E40002EM	E40102EI	E40102EM	
E40003EI	E40003EM	E40103EI	E40103EM	
E40004EI	E40004EM	E40104EI	E40104EM	
E40005EI	E40005EM	E40105EI	E40105EM	
0,285	0,4	0,285	0,4	
1	1	1	1	

standard article



Drive cam operating parameters




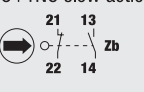
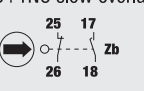
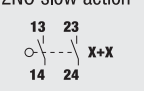
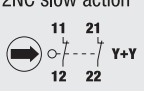
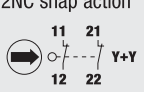
φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm

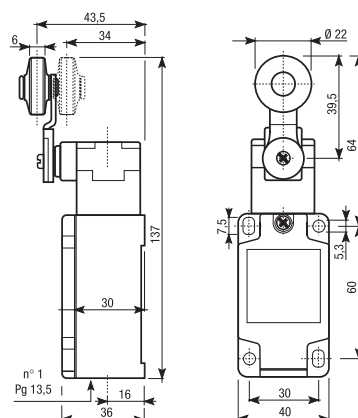


Steel roller lever

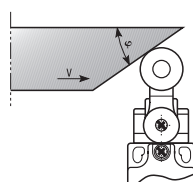
E•RA

Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000EIRA	E40000EMRA	E40100EIRA	E40100EMRA	
E40001EIRA	E40001EMRA	E40101EIRA	E40101EMRA	
E40002EIRA	E40002EMRA	E40102EIRA	E40102EMRA	
E40003EIRA	E40003EMRA	E40103EIRA	E40103EMRA	
E40004EIRA	E40004EMRA	E40104EIRA	E40104EMRA	
E40005EIRA	E40005EMRA	E40105EIRA	E40105EMRA	
0,285	0,4	0,285	0,4	
1	1	1	1	

 standard article


Drive cam operating parameters


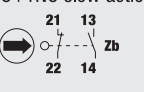
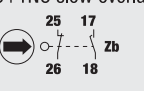
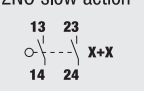
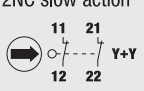
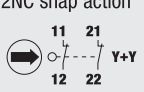


φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm

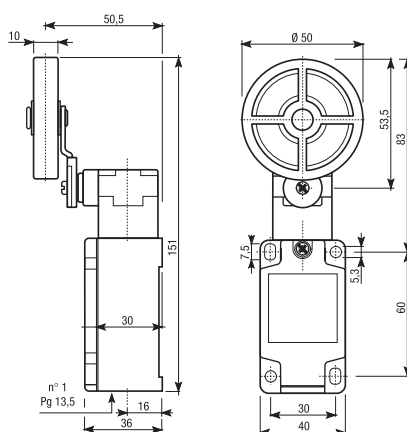


Ø50 mm rubber roller lever

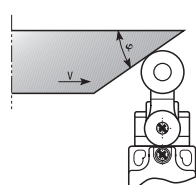
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000EI50	E40000EM50	E40100EI50	E40100EM50	
E40001EI50	E40001EM50	E40101EI50	E40101EM50	
E40002EI50	E40002EM50	E40102EI50	E40102EM50	
E40003EI50	E40003EM50	E40103EI50	E40103EM50	
E40004EI50	E40004EM50	E40104EI50	E40104EM50	
E40005EI50	E40005EM50	E40105EI50	E40105EM50	
0,295	0,41	0,295	0,41	
1	1	1	1	

 standard article



Drive cam operating parameters



φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm



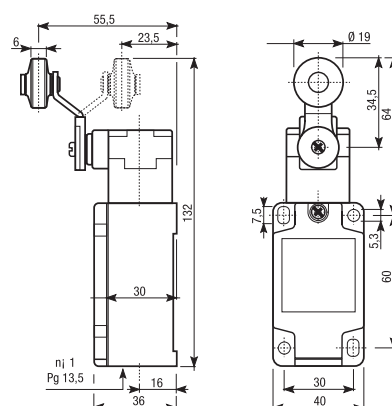
Leva piegata con rotella in plastica

Contact element	
1NO+1NC azione rapida 13 21 14 22	00
1NO+1NC azione lenta 21 13 22 14	01
1NO+1NC lenta sovrapp. 25 17 26 18	02
2NO azione lenta 13 23 14 24	03
2NC azione lenta 11 21 12 22	04
2NC azione rapida 11 21 12 22	05
Weight	kg
Pack	pcs

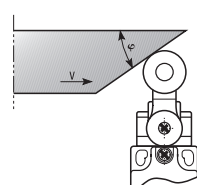
Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000II*	E40000IM*	E40100II*	E40100IM*	
E40001II*	E40001IM*	E40101II*	E40101IM*	
E40002II	E40002IM	E40102II	E40102IM	
E40003II	E40003IM	E40103II	E40103IM	
E40004II	E40004IM	E40104II	E40104IM	
E40005II	E40005IM	E40105II	E40105IM	
0,285	0,4	0,285	0,4	
1	1	1	1	

standard article

* form conforming to EN 50041



Drive cam operating parameters




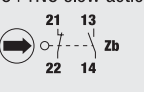
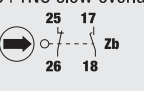
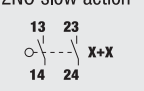
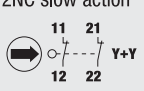
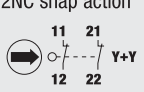
φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm



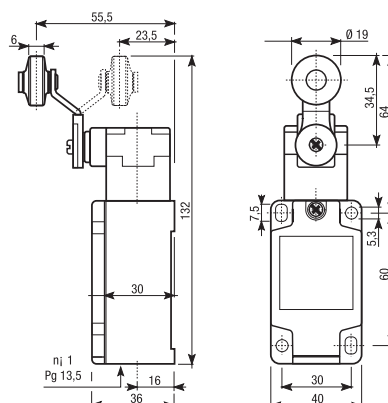
Steel roller lever

I-RA

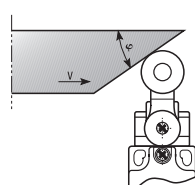
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000IIRA	E40000IMRA	E40100IIRA	E40100IMRA	
E40001IIRA	E40001IMRA	E40101IIRA	E40101IMRA	
E40002IIRA	E40002IMRA	E40102IIRA	E40102IMRA	
E40003IIRA	E40003IMRA	E40103IIRA	E40103IMRA	
E40004IIRA	E40004IMRA	E40104IIRA	E40104IMRA	
E40005IIRA	E40005IMRA	E40105IIRA	E40105IMRA	
0,285	0,4	0,285	0,4	
1	1	1	1	

 standard article



Drive cam operating parameters



φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm

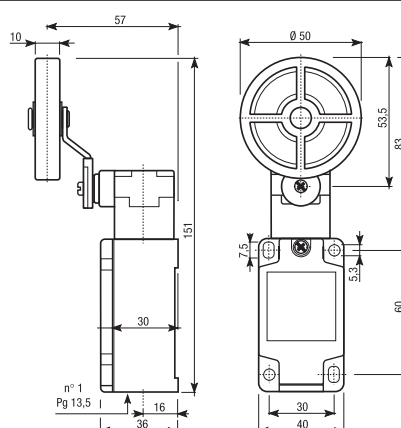


Ø50 mm rubber roller lever

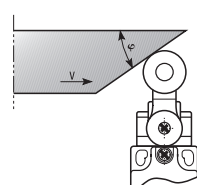
Contact element	
1NO+1NC snap action 00	
1NO+1NC slow action 01	
1NO+1NC slow overlap. 02	
2NO slow action 03	
2NC slow action 04	
2NC snap action 05	
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000II50	E40000IM50	E40100II50	E40100IM50	
E40001II50	E40001IM50	E40101II50	E40101IM50	
E40002II50	E40002IM50	E40102II50	E40102IM50	
E40003II50	E40003IM50	E40103II50	E40103IM50	
E40004II50	E40004IM50	E40104II50	E40104IM50	
E40005II50	E40005IM50	E40105II50	E40105IM50	
0,295	0,41	0,295	0,41	
1	1	1	1	

standard article



Drive cam operating parameters




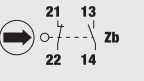
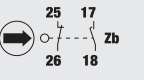
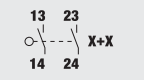
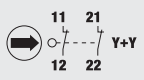
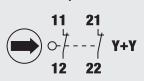
φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm



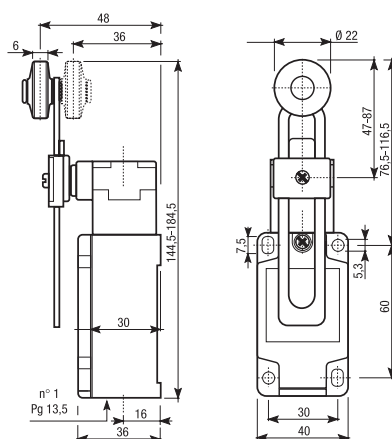
F

Thermoplastic roller variable length lever

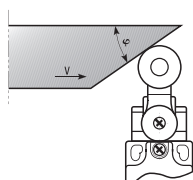
Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000FI	E40000FM	E40100FI	E40100FM	
E40001FI	E40001FM	E40101FI	E40101FM	
E40002FI	E40002FM	E40102FI	E40102FM	
E40003FI	E40003FM	E40103FI	E40103FM	
E40004FI	E40004FM	E40104FI	E40104FM	
E40005FI	E40005FM	E40105FI	E40105FM	
0,305	0,42	0,305	0,42	
1	1	1	1	

 standard article



Drive cam operating parameters



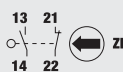
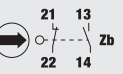
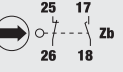
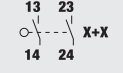
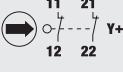
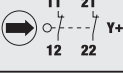
φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm

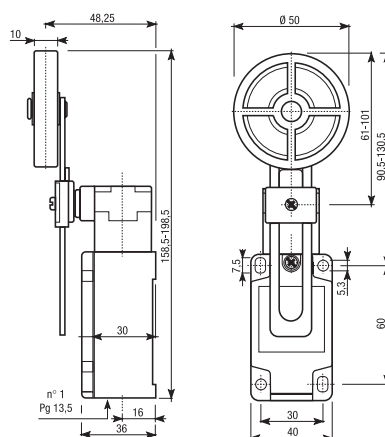
F•50



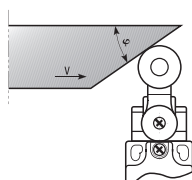
Ø50 mm rubber roller variable length lever

Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000FI50	E40000FM50	E40100FI50	E40100FM50	
E40001FI50	E40001FM50	E40101FI50	E40101FM50	
E40002FI50	E40002FM50	E40102FI50	E40102FM50	
E40003FI50	E40003FM50	E40103FI50	E40103FM50	
E40004FI50	E40004FM50	E40104FI50	E40104FM50	
E40005FI50	E40005FM50	E40105FI50	E40105FM50	
0,315	0,43	0,315	0,43	
1	1	1	1	

 standard article


Drive cam operating parameters


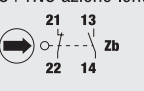
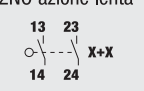


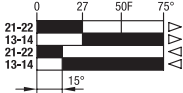
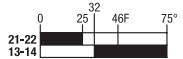


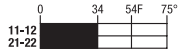
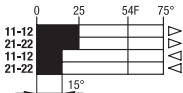
φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm

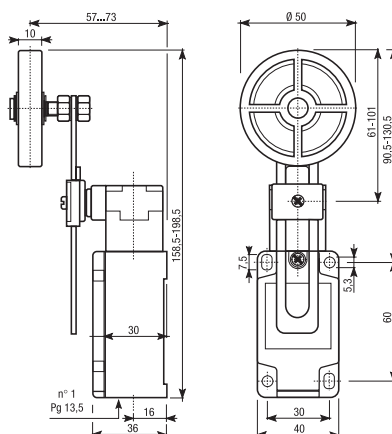


Ø50 mm rubber roller adjustable lever

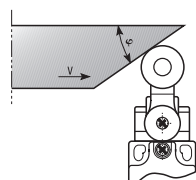
Contact element	
1NO+1NC azione rapida 	00
1NO+1NC azione lenta 	01
1NO+1NC lenta sovrapp. 	02
2NO azione lenta 	03
2NC azione lenta 	04
2NC azione rapida 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000FRI50	E40000FRM50	E40100FRI50	E40100FRM50	
E40001FRI50	E40001FRM50	E40101FRI50	E40101FRM50	
E40002FRI50	E40002FRM50	E40102FRI50	E40102FRM50	
E40003FRI50	E40003FRM50	E40103FRI50	E40103FRM50	
E40004FRI50	E40004FRM50	E40104FRI50	E40104FRM50	
E40005FRI50	E40005FRM50	E40105FRI50	E40105FRM50	
0,325	0,44	0,325	0,44	
1	1	1	1	

 standard article



Drive cam operating parameters



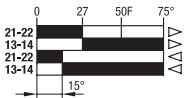
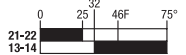
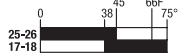
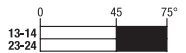
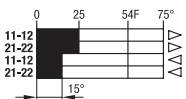
φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm



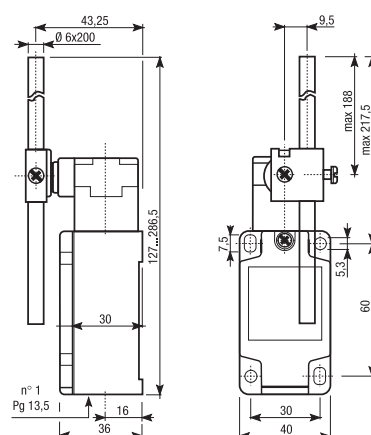
Side rotary adjustable Ø6 mm glass fiber rod

Contact element	
1NO+1NC snap action 00	
1NO+1NC slow action 01	
1NO+1NC slow overlap. 02	
2NO slow action 03	
2NC slow action 04	
2NC snap action 05	
Weight kg	
Pack pcs	

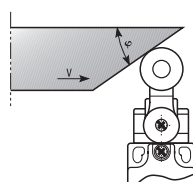
Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000GI*	E40000GM*	E40100GI*	E40100GM*	
E40001GI*	E40001GM*	E40101GI*	E40101GM*	
E40002GI	E40002GM	E40102GI	E40102GM	
E40003GI	E40003GM	E40103GI	E40103GM	
E40004GI	E40004GM	E40104GI	E40104GM	
E40005GI	E40005GM	E40105GI	E40105GM	
0,21	0,425	0,21	0,425	
1	1	1	1	

standard article

* form conforming to EN 50041



Drive cam operating parameters


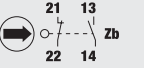
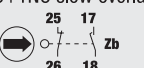
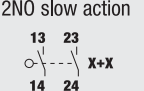
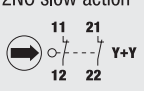
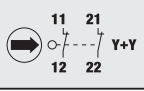


φ	V max (m/s)
30°	1,5
45°	1
60°	0,75
60-90°	0,25

Drive forces	
Minimum command force	25 Ncm
Minimum forced opening force	45 Ncm

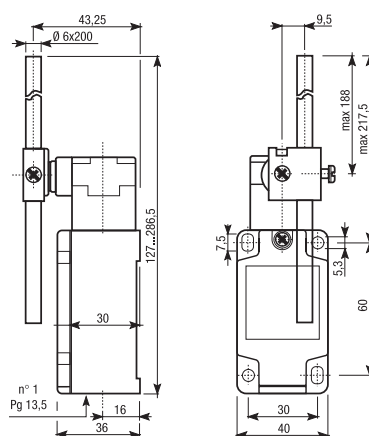


Side rotary adjustable Ø6 mm aluminium rod

Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				Contact travel
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	
E40000HI*	E40000HM*	E40100HI*	E40100HM*	<p>Diagram showing contact travel for E40000HI* and E40100HI*. The diagram includes a horizontal axis with points 0, 27, 50F, and 75°. A vertical line is at 15°. The diagram shows a black bar from 0 to 27, a white bar from 27 to 50F, and a black bar from 50F to 75°. The diagram is labeled with 21-22, 13-14, and 13-14 on the left and right sides. A 15° angle is indicated at the bottom right.</p>
E40001HI*	E40001HM*	E40101HI*	E40101HM*	<p>Diagram showing contact travel for E40001HI* and E40101HM*. The diagram includes a horizontal axis with points 0, 25, 32, 46F, and 75°. A vertical line is at 15°. The diagram shows a black bar from 0 to 25, a white bar from 25 to 32, a black bar from 32 to 46F, and a white bar from 46F to 75°. The diagram is labeled with 21-22 and 13-14 on the left and right sides. A 15° angle is indicated at the bottom right.</p>
E40002HI	E40002HM	E40102HI	E40102HM	<p>Diagram showing contact travel for E40002HI and E40102HM. The diagram includes a horizontal axis with points 0, 25, 32, 46F, and 75°. A vertical line is at 15°. The diagram shows a black bar from 0 to 25, a white bar from 25 to 32, a black bar from 32 to 46F, and a white bar from 46F to 75°. The diagram is labeled with 25-26 and 17-18 on the left and right sides. A 15° angle is indicated at the bottom right.</p>
E40003HI	E40003HM	E40103HI	E40103HM	<p>Diagram showing contact travel for E40003HI and E40103HM. The diagram includes a horizontal axis with points 0, 45, and 75°. A vertical line is at 15°. The diagram shows a black bar from 0 to 45 and a white bar from 45 to 75°. The diagram is labeled with 13-14 and 23-24 on the left and right sides. A 15° angle is indicated at the bottom right.</p>
E40004HI	E40004HM	E40104HI	E40104HM	<p>Diagram showing contact travel for E40004HI and E40104HM. The diagram includes a horizontal axis with points 0, 34, 54F, and 75°. A vertical line is at 15°. The diagram shows a black bar from 0 to 34, a white bar from 34 to 54F, and a black bar from 54F to 75°. The diagram is labeled with 11-12 and 21-22 on the left and right sides. A 15° angle is indicated at the bottom right.</p>
E40005HI	E40005HM	E40105HI	E40105HM	<p>Diagram showing contact travel for E40005HI and E40105HM. The diagram includes a horizontal axis with points 0, 25, 54F, and 75°. A vertical line is at 15°. The diagram shows a black bar from 0 to 25, a white bar from 25 to 54F, and a black bar from 54F to 75°. The diagram is labeled with 11-12, 21-22, 11-12, and 21-22 on the left and right sides. A 15° angle is indicated at the bottom right.</p>
0,21	0,425	0,21	0,425	
1	1	1	1	

 standard article





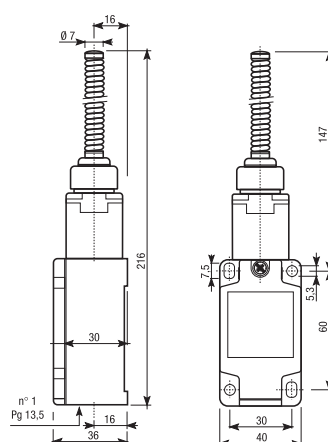
Flexible rod

L

Contact element	
1NO+1NC snap action 00	
1NO+1NC slow action 01	
1NO+1NC slow overlap. 02	
2NO slow action 03	
2NC slow action 04	
2NC snap action 05	
Weight	kg
Pack	pcs







Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000LI	E40000LM	E40100LI	E40100LM	
E40001LI	E40001LM	E40101LI	E40101LM	
E40002LI	E40002LM	E40102LI	E40102LM	
E40003LI	E40003LM	E40103LI	E40103LM	
E40004LI	E40004LM	E40104LI	E40104LM	
E40005LI	E40005LM	E40105LI	E40105LM	
0,28	0,395	0,28	0,395	
1	1	1	1	

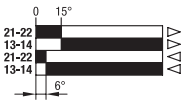
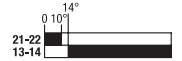
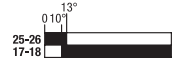
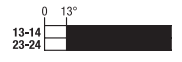
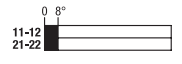
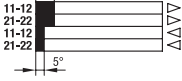
standard article



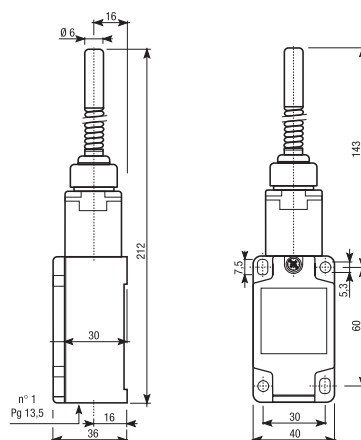


Flexible rod with plastic terminal

Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	Contact travel
E40000LPI	E40000LPM	E40100LPI	E40100LPM	
E40001LPI	E40001LPM	E40101LPI	E40101LPM	
E40002LPI	E40002LPM	E40102LPI	E40102LPM	
E40003LPI	E40003LPM	E40103LPI	E40103LPM	
E40004LPI	E40004LPM	E40104LPI	E40104LPM	
E40005LPI	E40005LPM	E40105LPI	E40105LPM	
0,28	0,395	0,28	0,395	
1	1	1	1	







 standard article

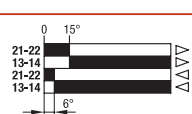
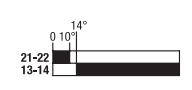
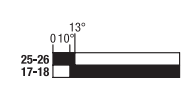
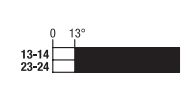
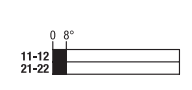
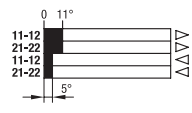


LS



Cat's whisker

Contact element	
1NO+1NC snap action 	00
1NO+1NC slow action 	01
1NO+1NC slow overlap. 	02
2NO slow action 	03
2NC slow action 	04
2NC snap action 	05
Weight	kg
Pack	pcs

Cable entry				
PG 13,5		M20 x 1,5		Contact travel
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	
E40000LSI	E40000LSM	E40100LSI	E40100LSM	
E40001LSI	E40001LSM	E40101LSI	E40101LSM	
E40002LSI	E40002LSM	E40102LSI	E40102LSM	
E40003LSI	E40003LSM	E40103LSI	E40103LSM	
E40004LSI	E40004LSM	E40104LSI	E40104LSM	
E40005LSI	E40005LSM	E40105LSI	E40105LSM	
0,28	0,395	0,28	0,395	
1	1	1	1	

 standard article
