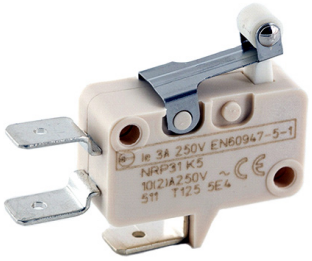
NRP miniature Series with Positive Break Operation



CARATTERISTICHE GENERALI / *GENERAL CHARACTERISTICS*

Versione / *Version*	**K**
Tensione di isolamento nominale / *Rated insulation voltage (Ui)*	250V
Corrente convenzionale termica / *Conventional thermal current (Ith)*	10A
Categoria di utilizzazione / *Utilization category*	AC-15, Ue 250V, Ie 3A
Tensione di tenuta a impulso nominale / *Rated impulse voltage*	Uimp 2,5 kV
Grado di inquinamento / *Pollution degree*	3
Grado di protezione / *Degree of protection IP*	00
Caratteristica del fusibile associato / *Short-circuit protection*	Fuse 10A /500V type gG 10,3x38 mm
Corrente di corto circuito condizionata / *Conditional short-circuit current*	1000 A
Forza min. di apertura positiva / *Min. force for direct opening operation*	20 N
Corsa min. di apertura positiva / *Min. direct opening travel*	1,5 mm
Corsa max. di apertura positiva / *Max. direct opening travel*	2,8 mm
Velocità max. e min. di azionamento / *Max. & min. speed of actuation*	0,5 m/s
Forza max. per la robustezza dell'azionamento / *Max. force of actuating robustness*	20 N
Frequenza max. di azionamento / *Max. frequency of actuation*	3600/hour
Approvazioni / *Approvals*	IMQ
Norma / *Standard*	EN60947-5-1:2004 / UL61058-1

CODIFICA / *CODE EXPLANATION*

NRP	31	K	1

Serie / *Series*

Sovrastrutture di azionamento / *Actuators*

1 = Pulsante / *Plunger*
31 – 99 = Leve / *Levers*

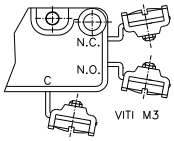
Versione / *Version*

K = Forza azionante standard / *Standard operating force*

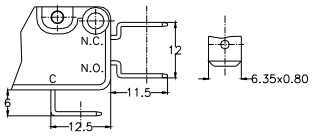
Terminali / *Terminals*

1 = Vite serrafilo / Screw connection terminal
5 = Attacco faston da 6.35X0.8mm / *Quick connect 6.35x0.80mm*

1 = Vite serrafilo / *Screw connection terminal*

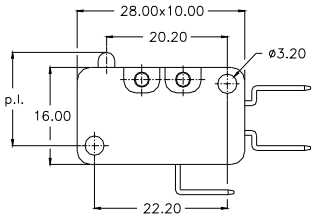


5 = Attacco faston da 6.35X0.8mm / *Quick connect 6.35x0.80mm*



SOVRASTRUTTURA A PULSANTE / *PLUNGER OPERATED SWITCHES*

NRP 1 K5



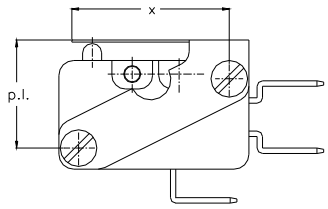
Modello *Model*	**F.A./O.F. max** **gr**	**F.R./R.F. min** **gr**	**P.C./P.T. max** **mm**	**C.D./D.T. max** **mm**	**O.C./O.T. min** **mm**	**P.I./I.P.** **mm**	**P.S./S.P. med** **mm**
NRP 1 K	300	130	1.2	0.4	1.2	15.6	14.7

F.A.: Forza Azionante / **O.F.**: *Operating Force*
F.R.: Forza di Ritorno / **R.F.**: *Releasing Force*
P.C.: Precorsa / **P.T.**: *Pre Travel*
C.D.: Corsa Differenziale / **D.T.**: *Differential Travel*

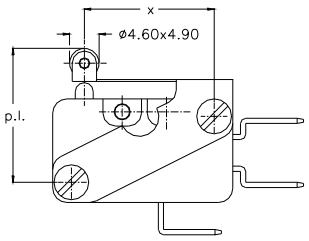
O.C.: Oltre Corsa / **O.T.**: *Over Travel*
P.I.: Posizione Iniziale / **S.P.**: *Initial Position*
P.S.: Posizione di Scatto / **S.P.**: *Snapping Position*

SOVRASTRUTTURA A LEVA SQUADRETTA / *SIDE LEVER OPERATED SWITCHES*

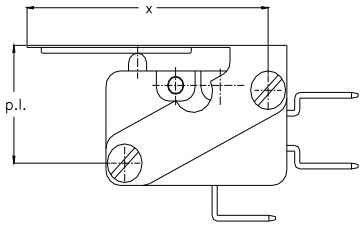
NRP20K5



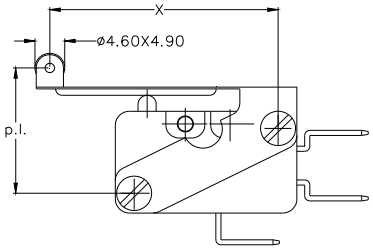
NRP35K5



NRP25K5



NRP35K5



Modello *Model*	**F.A./O.F. max** **gr**	**F.R./R.F. min** **gr**	**P.C./P.T. max** **mm**	**C.D./D.T. max** **mm**	**O.C./O.T. min** **mm**	**P.I./I.P.** **mm**	**P.S./S.P. med** **mm**	**L= X ±1** **mm**
NRP 20 K	340	80	1.5	0.5	0.6	16.7	15	23.2
NRP 25 K	220	80	2.5	1.0	1.0	17.8	16	37.3
NRP 30 K	370	80	0.5	0.6	4.0	20.7	19	21.1
NRP 35 K	130	50	3.0	1.5	2	23.7	21	36

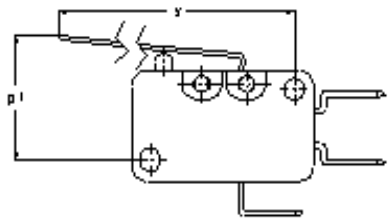
F.A.: Forza Azionante / **O.F.**: *Operating Force*
F.R.: Forza di Ritorno / **R.F.**: *Releasing Force*
P.C.: Precorsa / **P.T.**: *Pre Travel*
C.D.: Corsa Differenziale / **D.T.**: *Differential Travel*

O.C.: Oltre Corsa / **O.T.**: *Over Travel*
P.I.: Posizione iniziale / I.P.: *Iniatial Position*
P.S.: Posizione di Scatto / **S.P.**: *Snapping Position*
L: Lunghezza Azionatore / **L**: *Actuator Lenght*

SOVRASTRUTTURA A LEVA / *LEVER OPERATED SWITCHES*

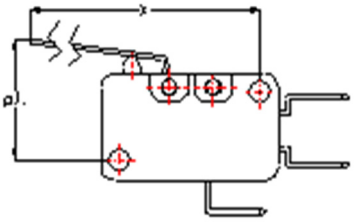
Azionamento normale / *Standard operation*

NRP41K5 ÷ NRP50K5



Azionamento invertito / *Reverse action*

NRP52K5 ÷ NRP60K5



Modello *Model*	**F.A./O.F. max** **gr**	**F.R./R.F. min** **gr**	**P.C./P.T. max** **mm**	**C.D./D.T. max** **mm**	**O.C./O.T. min** **mm**	**P.S./S.P. med** **mm**	**L = X±1** **mm**
NRP 41 K	300	130	1.2	0.7	0.6	16.3	17.6
NRP 42 K	250	100	2.0	0.7	0.8	16.6	26.5
NRP 43 K	200	80	2.0	0.9	1.0	17.1	31.5
NRP 44 K	170	60	2.5	1.1	1.2	17.5	36
NRP 45 K	150	50	3	1.3	1.4	17.8	41.5
NRP 46 K	130	45	3.5	1.5	1.6	18	45.5
NRP 47 K	115	40	4.5	1.6	1.8	18.2	50
NRP 48 K	100	35	5	1.8	2	18.4	54.5
NRP 49 K	90	30	5.5	2	2.5	18.7	60
NRP 50 K	75	25	6.5	2.5	3	22	70.5
NRP 52 K	150	35	3.5	1.5	1.5	21	33
NRP 53 K	130	30	4	2	2	21.6	38
NRP 54 K	100	25	4.5	2	2.5	21.8	42.5
NRP 55 K	75	20	5.5	2.5	3	22.2	48
NRP 56 K	65	15	8	3	3.5	22.5	52
NRP 57 K	55	12	8.5	3.5	4	22.6	56.5
NRP 58 K	50	10	9	4	4.5	23	61
NRP 59 K	45	8	9.5	4.5	5	23.2	66.5
NRP 60 K	40	7	10.5	5	5.5	24	77

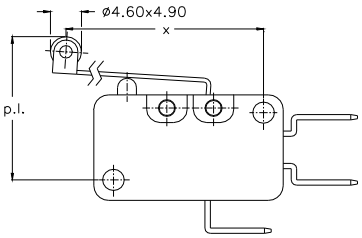
F.A.: Forza Azionante / **O.F.**: *Operating Force*
F.R.: Forza di Ritorno / **R.F.**: *Releasing Force*
P.C.: Precorsa / **P.T.**: *Pre Travel*
C.D.: Corsa Differenziale / **D.T.**: *Differential Travel*

O.C.: Oltre Corsa / **O.T.**: *Over Travel*
P.I.: Posizione iniziale / **I.P.**: *Initial Position*
P.S.: Posizione di Scatto / **S.P.**: *Snapping Position*
L: Lunghezza Azionatore / **L**: *Actuator Lenght*

SOVRASTRUTTURA A LEVA ROTELLA / *ROLLER LEVER OPERATED SWITCHES*

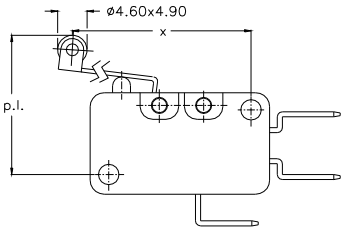
Azionamento normale / *Standard operation*

NRP31K5 ÷ NRP34K5



Azionamento invertito / *Reverse action*

NRP51K5 & NRP61K5 ÷ NRP65K5



Modello *Model*	**F.A./O.F. max** **gr**	**F.R./R.F. min** **gr**	**P.C./P.T. max** **mm**	**C.D./D.T. max** **mm**	**O.C./O.T. min** **mm**	**P.S./S.P. med** **mm**	**L = X±1** **mm**
NRP 31 K	300	130	1.2	0.7	0.6	21.5	21
NRP 32 K	250	100	1.5	0.8	0.8	21.7	25
NRP 33 K	200	80	2	1	1	22.2	30
NRP 34 K	160	60	2.5	1.2	1.5	23.5	34.5
NRP 51 K	200	40	3	1	1	23.5	39.1
NRP 61 K	200	50	3	1.2	1	21.8	26.5
NRP 62 K	150	40	3.5	1.5	1.5	22	31
NRP 63 K	120	30	4.5	2.5	2	22.5	36
NRP 64 K	100	20	5.5	3	2.5	25.4	40.5
NRP 65 K	80	15	6	3.5	3	25.6	46

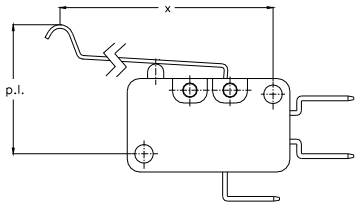
F.A.: Forza Azionante / **O.F.**: *Operating Force*
F.R.: Forza di Ritorno / **R.F.**: *Releasing Force*
P.C.: Precorsa / **P.T.**: *Pre Travel*
C.D.: Corsa Differenziale / **D.T.**: *Differential Travel*

O.C.: Oltre Corsa / **O.T.**: *Over Travel*
P.I.: Posizione iniziale / **I.P.**: *Initial Position*
P.S.: Posizione di Scatto / **S.P.**: *Snapping Position*
L: Lunghezza Azionatore / **L**: *Actuator Lenght*

SOVRASTRUTTURA A LEVA FINTA ROTELLA / *SIMULATED ROLLER LEVER OPERATED SWITCHES*

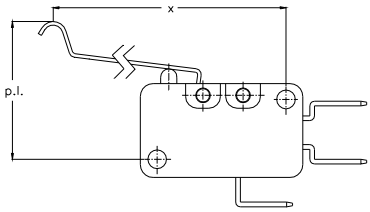
Azionamento normale / *Standard operation*

NRP82K5 ÷ NRP85K5



Azionamento invertito / *Reverse action*

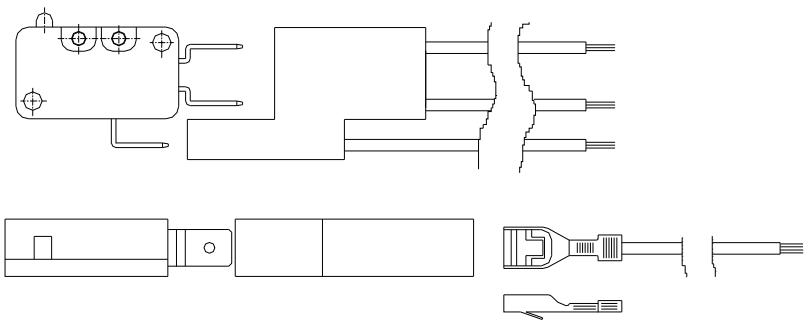
NRP92K5 ÷ NRP95K5



Modello *Model*	**F.A./O.F. max** **gr**	**F.R./R.F. min** **gr**	**P.C./P.T. max** **mm**	**C.D./D.T. max** **mm**	**O.C./O.T. min** **mm**	**P.S./S.P. med** **mm**	**L = X±1** **mm**
NRP 82 K	250	100	1.5	0.8	0.8	21.6	25
NRP 84 K	160	60	2.5	1.2	1.5	22.9	34.5
NRP 92 K	150	40	3.5	1.5	1.0	22.5	31
NRP 93 K	120	30	4.5	2.5	2.0	23	40.5
NRP 94 K	100	20	5.5	3	2.5	23.2	25

ACCESSORI / *ACCESSORIES*

Connettori per cavetti compatibili con terminali faston da 6,35 x 0,80 mm (tipo 5) /
Cable connector for faston terminals type 5



F.A.: Forza Azionante / **O.F.**: *Operating Force*
F.R.: Forza di Ritorno / **R.F.**: *Releasing Force*
P.C.: Precorsa / **P.T.**: *Pre Travel*
C.D.: Corsa Differenziale / **D.T.**: *Differential Travel*

O.C.: Oltre Corsa / **O.T.**: *Over Travel*
P.I.: Posizione iniziale / **I.P.**: *Initial Position*
P.S.: Posizione di Scatto / **S.P.**: *Snapping Position*
L: Lunghezza Azionatore / **L**: *Actuator Lenght*



Electrica S.r.l.
Via privata Della Torre 24, 20127 Milano (MI) - Italia
Tel.: +39 02 2892641 - Fax: +39 02 2827511
Web: https://www.electrica.it - Email: info@electrica.it

Microswitches Division
Via D. Manin 350/21, 20099 Sesto San Giovanni (MI) - Italia
Tel.: +39 02 24300672 - Fax: +39 02 24303271
Email: microswitches@electrica.it

Electrica s.r.l. © 2017