

Material

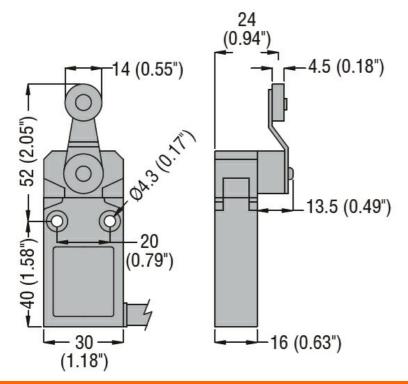


Product designation	Roller lever plunger
Product type designation	KPE2
General characteristics	

Roller  Metal    Contact characteristics  INO+1NC Snap action    Type of contact  INO+1NC Snap action    Thermal current lth  A  10    IEC/EN 60947-5-1 designation  B300 R300    Rated insulation voltage Ui  V  400    Rated insulation class  I    IEC Conventional free air thermal current lth  A  10    Resistance per pole (average value)  mΩ  <25    Conductivity  10mA 5V    Mechanical features  I    Operating head fixing  Fixed    Operating torque  N  80    Ib  0.7  Ib  0.7    Tightening torque (Max)  Switch fixing  Switch fixing  N    Mechanical operation  cycles  >10000000    Mechanical operation  cycles  >10000000    Mechanical infle  cycles  >10000000    Mechanical operation  cycles  >10000000    Mechanical infle  cycles  >10000000    Mechanical infle  cycles  >10000000    Mechanical operation  cycles  >10000000    Mechanical operation  cycles  >10000000    Mechanical operation  cycles  >10000000    Mechanica	Material			
Roller  Metal    Contact characteristics    Type of contact  1NO+1NC Snap action    Thermal current ith  A  10    EC/EN 60947-5-1 designation  B300 R300    Rated insulation voltage Ui  V  400    Rated insulation voltage Uimp  kV  4    Insulation class  I  I    EC Conventional free air thermal current Ith  A  10    Resistance per pole (average value)  mΩ  <25		Housing		Aluminium-zinc
Contact characteristics    1NO+1NC Snap action      Type of contact    action      Thermal current lth    A    10      IEC/EN 60947-5-1 designation    B300 R300      Rated insulation voltage Uin    V    400      Rated insulation voltage Uinp    KV    4      Issulation class    I    I      IEC Conventional free air thermal current Ith    A    10      Resistance per pole (average value)    mΩ    <25		Roller		•
Type of contact    1NO-+1NC Snap action      Thermal current lth    A    10      IEC/EN 60947-5-1 designation    B300 R300      Rated insulation voltage Ui    V    400      Rated insulation voltage Uimp    KV    4      Insulation class    I    IEC Conventional free air thermal current lth    A    10      Resistance per pole (average value)    mQ    <25	Contact characteristics	i tonoi		motal
Action      Action        Thermal current lth      A      10        IEC/EN 60947-5-1 designation      B300 R300        Rated insulation voltage Ui      V      400        Rated inpulse withstand voltage Uimp      kV      4        Insulation voltage Ui      V      400        Rated impulse withstand voltage Uimp      kV      4        Issulation voltage in thermal current lth      A      10        Resistance per pole (average value)      mQ      <25				1NO+1NC Snap
IEC/EN 60947-5-1 designation      B300 R300        Rated insulation voltage Ui      V      400        Rated insulation voltage Uimp      kV      4        Insulation class      I      I        IEC conventional free air thermal current lth      A      10        Resistance per pole (average value)      mΩ      <25				action
Rated insulation voltage Ui      V      400        Rated impulse withstand voltage Uimp      kV      4        Insulation class      I      I        EC Conventional free air thermal current Ith      A      10        Resistance per pole (average value)      mQ      <25	Thermal current Ith		Α	-
Rated impulse withstand voltage Uimp      kV      4        Insultation class      I        IEC Conventional free air thermal current lth      A      10        Resistance per pole (average value)      mΩ      <25				B300 R300
Insulation class I IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mQ <25 Conductivity M2 10mA 5V Mechanical features Operating head fixing Fixed Operating torque N 80 Ib 0.7 Tightening torque (Max) Switch fixing V Veight g 336 Operations G Mechanical life cycles >1000000 Mechanical operation cycles/h 3600 Ambient conditions Temperature Operating temperature min °C -25 max °C +70 Storage temperature min °C -25 max °C +70 Resistance & Protection IP degree I P degree I P degree I Body housing IP67				
IEC Conventional free air thermal current lth    A    10      Resistance per pole (average value)    mΩ    <25	Rated impulse withstand voltage Uimp		kV	4
Resistance per pole (average value)    mΩ    <25	Insulation class			
Conductivity 10mA 5V Mechanical features Operating head fixing Fixed Operating torque N 80 Ib 0.7 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Weight g 336 Operations Mechanical life cycles >1000000 Mechanical operation cycles/h 3600 Ambient conditions Temperature Operating temperature min °C -25 max °C +70 Storage temperature min °C -40 max °C +70 Resistance & Protection IP degree Body housing IP67	IEC Conventional free air thermal current Ith		Α	10
Mechanical features    Fixed      Operating head fixing    Fixed      Operating torque    N    80      Ib    0.7      Tightening torque (Max)    Ib    0.7      Switch fixing    Nm    2.5      Ibin    22.1      Weight    g    336      Operations    U    Veight      Mechanical life    cycles/h    3600      Ambient conditions    Temperature    operating temperature      Operating temperature    min    °C    -25      max    °C    +70    Storage temperature    min    °C    -25      Resistance & Protection    min    °C    -40    max    °C    +70      Resistance & Protection    E    E    E    E    E    E      IP degree    Body housing    IP67    E    E    E	Resistance per pole (average value)		mΩ	<25
Operating head fixing    Fixed      Operating torque    N    80      Ib    0.7      Tightening torque (Max)    Switch fixing      Switch fixing    Nm    2.5      Ibin    22.1      Weight    g    336      Operations    Use (Max)    Second (Max)      Mechanical life    cycles/h    3600      Ambient conditions    cycles/h    3600      Temperature    Very (Max)    Second (Max)      Mechanical operation    cycles/h    3600      Ambient conditions    Temperature    Imax    °C    +70      Storage temperature    min    °C    -25    max    °C    +70      Storage temperature    min    °C    -40    max    °C    +70      Resistance & Protection    IP degree    IP degree    IP 67    IP 67	· · · · · ·			10mA 5V
Operating torque    N    80      Ib    0.7      Tightening torque (Max)    Switch fixing      Switch fixing    Nm    2.5      Ibin    22.1      Weight    g    336      Operations    g    336      Mechanical life    cycles >10000000      Mechanical operation    cycles/h    3600      Ambient conditions    Temperature    min    °C    -25      Max    °C    +70    Storage temperature    min    °C    -40      Max    °C    +70    min    °C    -40      Resistance & Protection    IP degree    Body housing    IP67				
N      80 Ib      0.7        Tightening torque (Max) Switch fixing      Nm      2.5        Weight      22.1        Weight      g      336        Operations      Kechanical life      cycles        Mechanical life      cycles/h      3600        Mechanical operation      cycles/h      3600        Ambient conditions      cycles/h      3600        Temperature      Operating temperature      min      °C      -25        Max      °C      +70      Storage temperature      min      °C      -40        Max      °C      +70      Storage temperature      min      °C      +70        Resistance & Protection      Body housing      IP67      Kester	Operating head fixing			Fixed
Ib      0.7        Tightening torque (Max)      Switch fixing      Nm      2.5        Ibin      22.1      Ibin      22.1        Weight      g      336      Operations        Mechanical life      cycles      >1000000        Mechanical operation      cycles/h      3600        Ambient conditions      remperature      3600        Operating temperature      min      °C      -25        Max      °C      +70        Storage temperature      min      °C      -40        max      °C      +70        Resistance & Protection      IP67      IP67	Operating torque			
Tightening torque (Max)    Switch fixing      Nm    2.5      Ibin    22.1      Weight    g    336      Operations				
Switch fixing    Nm    2.5      Ibin    22.1      Weight    g    336      Operations    g    336      Mechanical life    cycles    >10000000      Mechanical operation    cycles/h    3600      Ambient conditions    remperature    0      Temperature    Operating temperature    min    °C    -25      Max    °C    +70    5    5      Resistance & Protection    min    °C    -40      IP degree    Body housing    IP67			lb	0.7
$\begin{tabular}{cccc} & Nm & 2.5 \\ & lbin & 22.1 \\ \hline \end{tabular}$ Weight g 336 Operations g 336 Operations Cycles > 10000000 \\ \hline \end{tabular} Mechanical operation cycles/h 3600 Ambient conditions Temperature $\begin{tabular}{cccc} & \end{tabular}$ Vertex of the cycles of the cycl	Tightening torque (Max)			
Ibin      22.1        Weight      g      336        Operations	Switch fixing			
Weight  g  336    Operations			Nm	
Operations    cycles    >10000000      Mechanical operation    cycles/h    3600      Ambient conditions			lbin	22.1
Mechanical life    cycles    >10000000      Mechanical operation    cycles/h    3600      Ambient conditions			g	336
Mechanical operation cycles/h 3600       Ambient conditions      Temperature      Operating temperature      min    °C      Storage temperature      min    °C      Storage temperature      min    °C      resistance & Protection      IP degree      Body housing    IP67	•			
Ambient conditions      Temperature      Operating temperature      min    °C      max    °C      Storage temperature      min    °C      Storage temperature      min    °C      resistance & Protection      IP degree      Body housing    IP67			-	
Temperature    Operating temperature      min    °C    -25      max    °C    +70      Storage temperature    min    °C    -40      max    °C    +70      Resistance & Protection      IP degree      Body housing    IP67			cycles/h	3600
Operating temperature    min    °C    -25      max    °C    +70      Storage temperature    min    °C    -40      max    °C    +70      Resistance & Protection      IP degree      Body housing    IP67				
min    °C    -25      max    °C    +70      Storage temperature    min    °C    -40      max    °C    +70      Resistance & Protection      IP degree    Body housing    IP67	Temperature			
max    °C    +70      Storage temperature    min    °C    -40      max    °C    +70      Resistance & Protection      IP degree    Body housing    IP67	Operating temperature			
Storage temperature    min    °C    -40      max    °C    +70      Resistance & Protection      IP degree    Body housing    IP67		min		-25
min °C -40 max °C +70 Resistance & Protection IP degree Body housing IP67		max	°C	+70
max    °C    +70      Resistance & Protection    IP      IP degree    Body housing    IP67	Storage temperature			
Resistance & Protection      IP degree    Body housing    IP67		min		-40
IP degree Body housing IP67		max	°C	+70
Body housing IP67				
	IP degree			
Pollution degree 3		Body housing		IP67
	Pollution degree			3

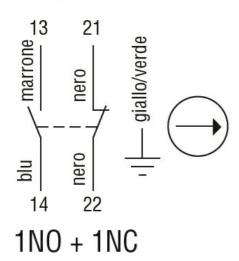
KPE2S11





Wiring diagrams

Snap action



Certifications and com	pliance	
Compliance		
	CSA C22.2 n° 14.	
	IEC/EN 60947-1	
	IEC/EN 60947-5-1	
	UL508	
Certificates		
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000030 - End switch