

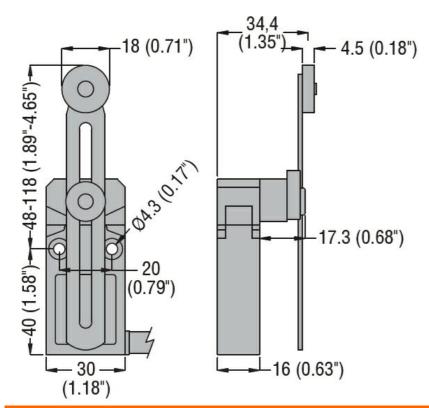


Product designation   Adjustable roller lever     Product type designation   KPF 1     General characteristics   Roller     Material   Housing   Aluminium-zinc alloy Roller     Contact characteristics   NO+1NC Snap action     Type of contact   1NO+1NC Snap action     Rated insulation voltage Ui   V   400     Rated insulation voltage Uimp   KV   4     Insulation class   1   IEC Conventional free air thermal current Ith   A   10     Resistance per pole (average value)   mΩ   225   Conductivity     Operating head fixing   Fixed   Fixed     Operating torque   N   80     Matchanical features   Ibin   0.7     Tightening torque (Max)   Switch fixing   N   22.1     Veight   g   344     Operating temperature   max   °C     Arbitent conditions   -   -     Temperature   max   °C   -25     Monal Life   cycles   1000000     Mechanical ife   cycles   1000000 <th></th> <th></th> <th>-</th> <th></th>			-	
General characteristics       Material     Housing     Aluminium-zinc alloy       Roller     Plastic       Contact characteristics     INO-1NC Snap action       Type of contact     1NO-1NC Snap action       Thermal current lth     A     10       IEC/EN 60947-5-1 designation     B300 R300       Rated insulation voltage Uimp     KV     4       Insulation datas     I       Elec Conventional free air thermal current lth     A     10       Resistance per pole (average value)     mQ     <25				lever
Material   Housing alloy alloy alloy   Aluminium-zinc alloy alloy     Contact characteristics   Plastic     Type of contact   1NO+1NC Snap action     Thermal current lth   A   10     EC/EN 60947-5-1 designation   B300 R300     Rated insulation voltage Ui   V   400     Rated insulation voltage Ui   V   400     Rated insulation voltage Ui   V   40     Resistance per pole (average value)   I   I     Conductivity   10mA 5V   Mechanical features     Operating torque   N   80     Operating torque   N   80     Weight   g   344     Operating torque (Max)   Switch fixing   N     Switch fixing   V   400     Mechanical ife   cycles > 1000000     Mechanical ifemperature   min   °C     Partial   Qperating temperature   V     Tightening torque filter   cycles > 1000000     Mechanical ifemperature   min< °C				KPF1
Housing Roller   Aluminium-zinc alloy Roller   Aluminium-zinc alloy Plastic     Contact characteristics   1     Type of contact   1NO+1NC Snap action     Thermal current lth   A     10   10     IEC/EN 60947-5-1 designation   B300 R300     Rated insulation voltage Uimp   V   400     Rated insulation voltage Uimp   kV   4     Insulation class   1   1     IEC Conventional free air thermal current lth   A   10     Resistance per pole (average value)   mQ   <25				
Housing Roller   alloy Platic     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	Material			
Roller   Plastic     Contact characteristics   1NO+1NC Snap action     Type of contact   1NO+1NC Snap action     Thermal current th   A   10     EC/EN 60947-5-1 designation   B300 R300     Rated insulation voltage Ui   V   400     Rated insulation voltage Uimp   kV   4     Insulation class   1   1     EC Conventional free air thermal current Ith   A   10     Resistance per pole (average value)   mΩ   <25		Housing		
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		Roller		•
Type of contact       action         Thermal current lth       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 lth       A       10         Resistance per pole (average value)       mΩ       <25	Contact characteristics			
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 Ith       A       10         Resistance per pole (average value)       mΩ       <25	Type of contact			-
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)       mΩ       <25	Thermal current Ith		А	10
Rated impulse withstand voltage Uimp     kV     4       Insulation class     I       IEC Conventional free air thermal current lth     A     10       Resistance per pole (average value)     mΩ     <25	IEC/EN 60947-5-1 designation			B300 R300
Insulation class I I I IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) MQ <25 Conductivity M 25 Mechanical features Operating head fixing Fixed Operating torque N 80 Ib 0.7 Tightening torque (Max) Switch fixing M 2.5 Ibin 22.1 Weight g 344 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 H 2000 IP67	Rated insulation voltage Ui		V	400
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 344 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		А	10
Mechanical features     Fixed       Operating head fixing     Fixed       Operating torque     N     80       Ib     0.7       Tightening torque (Max)     Switch fixing     Nm     2.5       Ibin     22.1     Ibin     22.1       Weight     g     344     Operations       Operations     cycles     >10000000       Mechanical life     cycles     >10000000       Mechanical operation     cycles/h     3600       Ambient conditions     rditions     rditions       Temperature     min     °C     -25       Max     °C     +70     Storage temperature       Min     °C     -40     rmax     °C     +70       Resistance & Protection     min     °C     -40     rmax     °C     +70       Resistance & Protection     Body housing     IP67     IP67	Resistance per pole (average value)		mΩ	<25
Operating head fixing     Fixed       Operating torque     N     80       Ib     0.7       Tightening torque (Max)     Switch fixing     Nm     2.5       Ibin     22.1     Ibin     22.1       Weight     g     344     Operations       Mechanical life     cycles     >10000000       Mechanical operation     cycles/h     3600       Ambient conditions     Temperature     min     °C     -25       Max     °C     +70     Storage temperature     min     °C     -40       Messistance & Protection     min     °C     -40     max     °C     +70       Resistance & Protection       IP degree	Conductivity			10mA 5V
Operating torque     N     80       Ib     0.7       Tightening torque (Max)     Switch fixing       Switch fixing     Nm     2.5       Ibin     22.1       Weight     g     344       Operations     Mm     2.5       Mechanical life     cycles >10000000       Mechanical operation     cycles/h     3600       Ambient conditions     Temperature     min     °C     -25       Max     °C     +70     70       Storage temperature     min     °C     -40       max     °C     +70     70       Resistance & Protection     IP degree     Body housing     IP67	Mechanical features			
N       80 Ib       0.7         Tightening torque (Max) Switch fixing       Nm       2.5 Ibin       22.1         Weight       g       344         Operations       Cycles       >10000000         Mechanical life       cycles/h       3600         Ambient conditions       cycles/h       3600         Temperature       Operating temperature       min       °C       -25 max       °C         Storage temperature       min       °C       -25 max       °C       +70         Resistance & Protection       min       °C       -40 max       °C       +70	Operating head fixing			Fixed
Ib       0.7         Tightening torque (Max)       Switch fixing       Nm       2.5         Ibin       22.1       Ibin       22.1         Weight       g       344       Operations         Mechanical life       cycles       >10000000         Mechanical life       cycles/h       3600         Ambient conditions       cycles/h       3600         Temperature       Operating temperature       min       °C       -25         Max       °C       +70       Storage temperature       min       °C       -40         Resistance & Protection       min       °C       -40       max       °C       +70         Resistance & Protection       IP degree       Body housing       IP67       IP67	Operating torque			
Tightening torque (Max)     Switch fixing       Nm     2.5       Ibin     22.1       Weight     g     344       Operations				
Switch fixing     Nm     2.5       Ibin     22.1       Weight     g     344       Operations			lb	0.7
$\begin{tabular}{c c c c c c c c c c c c c c c c c c c $				
Ibin       22.1         Weight       g       344         Operations	Switch fixing			
Weight     g     344       Operations     Mechanical life     cycles     >10000000       Mechanical operation     cycles/h     3600     3600       Ambient conditions     Generating temperature     min     °C     -25       Mechanical operation     Mechanical operatioperation     Mechanical operation				
Operations     cycles     >10000000       Mechanical operation     cycles/h     3600       Ambient conditions				
Mechanical life     cycles     >10000000       Mechanical operation     cycles/h     3600       Ambient conditions			g	344
Mechanical operation     cycles/h     3600       Ambient conditions     Temperature     Vertice     Vertice       Operating temperature     min     °C     -25       max     °C     +70       Storage temperature     min     °C     -40       max     °C     +70       Resistance & Protection     IP degree     IP 67				4000000
Ambient conditions       Temperature       Operating temperature       min     °C       max     °C       Storage temperature       min     °C       Storage temperature       min     °C       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/n	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	•			
max     °C     +70       Storage temperature     min     °C     -40       max     °C     +70       Resistance & Protection       IP degree     Body housing     IP67	Operating temperature	min	°C	-25
Storage temperature     min     °C     -40       max     °C     +70       Resistance & Protection       IP degree     Body housing     IP67				
min °C -40 max °C +70 Resistance & Protection IP degree Body housing IP67	Storage temperature	Шах	<u> </u>	
max     °C     +70       Resistance & Protection     IP degree       Body housing     IP67		min	°C	-40
Resistance & Protection       IP degree       Body housing     IP67				
IP degree Body housing IP67	Resistance & Protection			
Body housing IP67				
Pollution degree 3		Body housing		IP67
	Pollution degree			3

Dimensions

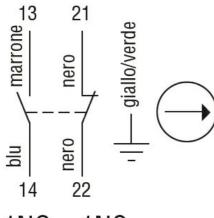
KPF1S11





Wiring diagrams

## Snap action



## 1NO + 1NC

Certifications and compliance				
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		

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