

PCB Tension Spring Terminal

5.00 mm Pin Spacing

- 45° Wire Entry
- Tension Spring Technology
- Modular
- Various Colors
- Standard Color: Light Gray



AK3000/xx-5.0

WITHOUT LEVER

AK3001/xxKD-5.0

WITH GROOVED PUSH-LEVER

Electrical Ratings

		UL E178356		IEC	VDE
Usergroup		B	C	D	-
		300V	—	300V	250V
Rated Current		15A	—	10A	24A
Wire Size	solid	28-14AWG	—	28-14AWG	0.5mm ² -2.5mm ²
	stranded	28-14AWG	—	28-14AWG	0.5mm ² -2.5mm ²

Ordering Information

Without Lever

With Grooved Lever

No. Poles	Length (mm)	Std. Pack	Order #	Type #	Order #	Type #
1	7.20	100	38.2101	AK3000/1-5.0	38.2201	AK3001/1KD-5.0
2	12.20	100	38.2102	AK3000/2-5.0	38.2202	AK3001/2KD-5.0
3	17.20	100	38.2103	AK3000/3-5.0	38.2203	AK3001/3KD-5.0
4	22.20	50	38.2104	AK3000/4-5.0	38.2204	AK3001/4KD-5.0
5	27.20	50	38.2105	AK3000/5-5.0	38.2205	AK3001/5KD-5.0
6	32.20	50	38.2106	AK3000/6-5.0	38.2206	AK3001/6KD-5.0
7	37.20	50	38.2107	AK3000/7-5.0	38.2207	AK3001/7KD-5.0
8	42.20	50	38.2108	AK3000/8-5.0	38.2208	AK3001/8KD-5.0
9	47.20	50	38.2109	AK3000/9-5.0	38.2209	AK3001/9KD-5.0
10	52.20	50	38.2110	AK3000/10-5.0	38.2210	AK3001/10KD-5.0
11	57.20	50	38.2111	AK3000/11-5.0	38.2211	AK3001/11KD-5.0
12	62.20	50	38.2112	AK3000/12-5.0	38.2212	AK3001/12KD-5.0
13	67.20	20	38.2113	AK3000/13-5.0	38.2213	AK3001/13KD-5.0
14	72.20	20	38.2114	AK3000/14-5.0	38.2214	AK3001/14KD-5.0
15	77.20	20	38.2115	AK3000/15-5.0	38.2215	AK3001/15KD-5.0
16	82.20	20	38.2116	AK3000/16-5.0	38.2216	AK3001/16KD-5.0
17	87.20	20	38.2117	AK3000/18-5.0	38.2217	AK3001/17KD-5.0
18	92.20	20	38.2118	AK3000/18-5.0	38.2218	AK3001/18KD-5.0
19	97.20	20	38.2119	AK3000/19-5.0	38.2219	AK3001/19KD-5.0
20	102.20	10	38.2120	AK3000/20-5.0	38.2220	AK3001/20KD-5.0
21	107.20	10	38.2121	AK3000/21-5.0	38.2221	AK3001/21KD-5.0
22	112.20	10	38.2122	AK3000/22-5.0	38.2222	AK3001/22KD-5.0
23	117.20	10	38.2123	AK3000/23-5.0	38.2223	AK3001/23KD-5.0
24	122.20	10	38.2124	AK3000/24-5.0	38.2224	AK3001/24KD-5.0

Material Specifications

Tension Spring	Stainless Steel
Solder Tab	Copper Alloy
Insulating Material	PA 6.6
Flammability Class	UL94V-0
Operating Temperature	-30°C - +105°C

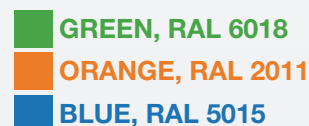
Wave Solder Process

Soldering Temperature	265°C
Peak Soldering Time	3-10s

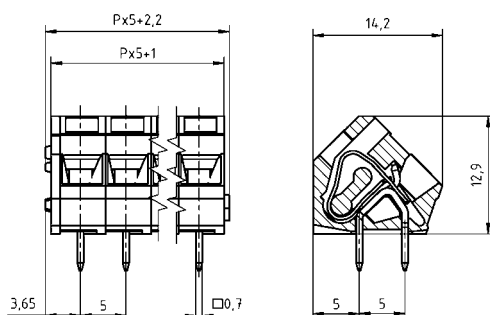
Installation Data

Stripping Length	6mm
PCB Hole Size	1.1mm

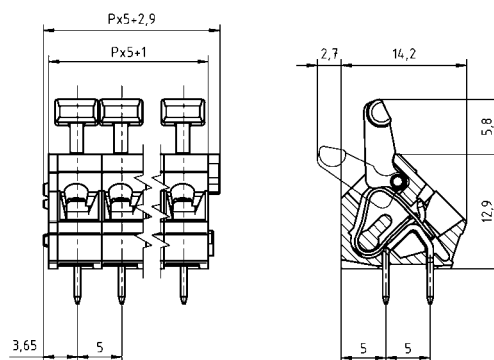
Other Colors Available



Dimensions (mm) - without lever



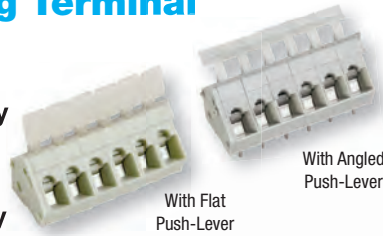
Dimensions (mm) - with grooved push-lever



PCB Tension Spring Terminal

5.00 mm Pin Spacing

- 45° Wire Entry
- Tension Spring Technology
- Modular
- Various Colors
- Standard Color: Light Gray



AK3001-/xxFD-5.0

WITH FLAT PUSH-LEVER

AK3001-/xxWD-5.0

WITH ANGLED PUSH-LEVER

Electrical Ratings

Usergroup	B	C	D	
	300V	—	300V	250V
Rated Current	15A	—	10A	24A
Wire Size	solid 28-14AWG	—	28-14AWG	0.5mm ² -2.5mm ²
	stranded 28-14AWG	—	28-14AWG	0.5mm ² -2.5mm ²



Ordering Information

With Flat Lever

With Angled Lever

No. Poles	Length (mm)	Std. Pack	Order #	Type #	Order #	Type #
1	7.20	100	38.2301	AK3001/1FD-5.0	38.2401	AK3001/1WD-5.0
2	12.20	100	38.2302	AK3001/2FD-5.0	38.2402	AK3001/2WD-5.0
3	17.20	100	38.2303	AK3001/3FD-5.0	38.2403	AK3001/3WD-5.0
4	22.20	50	38.2304	AK3001/4FD-5.0	38.2404	AK3001/4WD-5.0
5	27.20	50	38.2305	AK3001/5FD-5.0	38.2405	AK3001/5WD-5.0
6	32.20	50	38.2306	AK3001/6FD-5.0	38.2406	AK3001/6WD-5.0
7	37.20	50	38.2307	AK3001/7FD-5.0	38.2407	AK3001/7WD-5.0
8	42.20	50	38.2308	AK3001/8FD-5.0	38.2408	AK3001/8WD-5.0
9	47.20	50	38.2309	AK3001/9FD-5.0	38.2409	AK3001/9WD-5.0
10	52.20	50	38.2310	AK3001/10FD-5.0	38.2410	AK3001/10WD-5.0
11	57.20	50	38.2311	AK3001/11FD-5.0	38.2411	AK3001/11WD-5.0
12	62.20	50	38.2312	AK3001/12FD-5.0	38.2412	AK3001/12WD-5.0
13	67.20	20	38.2313	AK3001/13FD-5.0	38.2413	AK3001/13WD-5.0
14	72.20	20	38.2314	AK3001/14FD-5.0	38.2414	AK3001/14WD-5.0
15	77.20	20	38.2315	AK3001/15FD-5.0	38.2415	AK3001/15WD-5.0
16	82.20	20	38.2316	AK3001/16FD-5.0	38.2416	AK3001/16WD-5.0
17	87.20	20	38.2317	AK3001/18FD-5.0	38.2417	AK3001/17WD-5.0
18	92.20	20	38.2318	AK3001/18FD-5.0	38.2418	AK3001/18WD-5.0
19	97.20	20	38.2319	AK3001/19FD-5.0	38.2419	AK3001/19WD-5.0
20	102.20	10	38.2320	AK3001/20FD-5.0	38.2420	AK3001/20WD-5.0
21	107.20	10	38.2321	AK3001/21FD-5.0	38.2421	AK3001/21WD-5.0
22	112.20	10	38.2322	AK3001/22FD-5.0	38.2422	AK3001/22WD-5.0
23	117.20	10	38.2323	AK3001/23FD-5.0	38.2423	AK3001/23WD-5.0
24	122.20	10	38.2324	AK3001/24FD-5.0	38.2424	AK3001/24WD-5.0

Material Specifications

Tension Spring	Stainless Steel
Solder Tab	Copper Alloy
Insulating Material	PA 6.6
Flammability Class	UL94V-0
Operating Temperature	-30°C - +105°C

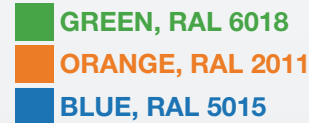
Wave Solder Process

Soldering Temperature	265°C
Peak Soldering Time	3-10s

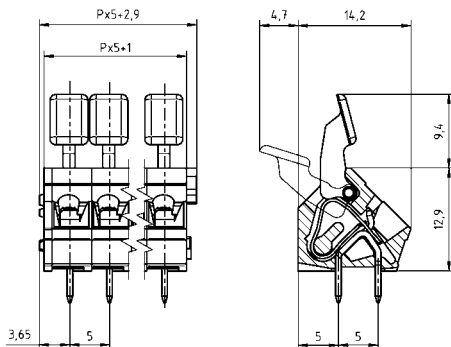
Installation Data

Stripping Length	6mm
PCB Hole Size	1.1mm

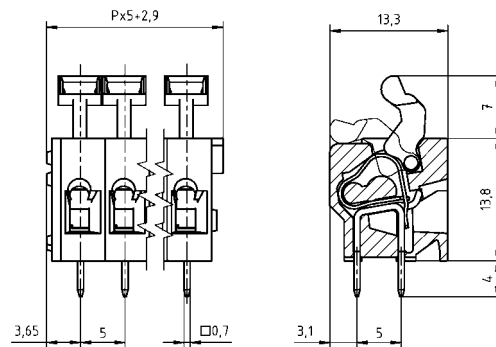
Other Colors Available



Dimensions (mm) - with flat push-lever



Dimensions (mm) - with angled push-lever



PCB Tension Spring Terminal

7.50 mm Pin Spacing

- 45° Wire Entry
- Tension Spring Technology
- Modular
- Various Colors
- Standard Color: Light Gray



AK3010/xx-7.5

WITHOUT LEVER

AK3011/xxKD-7.5

WITH GROOVED PUSH-LEVER

Electrical Ratings

		C ^{UL} US E178356		IEC	VDE
Usergroup	B	C	D	-	-
	300V	-	300V	750V	
Rated Current	16A	-	10A	24A	
Wire Size	<i>solid</i>	28-14AWG	28-14AWG	0.5mm ² -2.5mm ²	
	<i>stranded</i>	28-14AWG	28-14AWG	0.5mm ² -2.5mm ²	

Ordering Information

Without Lever

With Grooved Lever

No. Poles	Length (mm)	Std. Pack	Order #	Type #	Order #	Type #
1	9.70	100	38.4101	AK3010/1-7.5	38.4201	AK3011/1KD-7.5
2	17.20	100	38.4102	AK3010/2-7.5	38.4202	AK3011/2KD-7.5
3	24.70	100	38.4103	AK3010/3-7.5	38.4203	AK3011/3KD-7.5
4	32.20	50	38.4104	AK3010/4-7.5	38.4204	AK3011/4KD-7.5
5	39.70	50	38.4105	AK3010/5-7.5	38.4205	AK3011/5KD-7.5
6	47.20	50	38.4106	AK3010/6-7.5	38.4206	AK3011/6KD-7.5
7	54.70	50	38.4107	AK3010/7-7.5	38.4207	AK3011/7KD-7.5
8	62.20	50	38.4108	AK3010/8-7.5	38.4208	AK3011/8KD-7.5
9	69.70	50	38.4109	AK3010/9-7.5	38.4209	AK3011/9KD-7.5
10	77.20	50	38.4110	AK3010/10-7.5	38.4210	AK3011/10KD-7.5
11	84.70	50	38.4111	AK3010/11-7.5	38.4211	AK3011/11KD-7.5
12	92.20	50	38.4112	AK3010/12-7.5	38.4212	AK3011/12KD-7.5
13	99.70	20	38.4113	AK3010/13-7.5	38.4213	AK3011/13KD-7.5
14	107.20	20	38.4114	AK3010/14-7.5	38.4214	AK3011/14KD-7.5
15	114.70	20	38.4115	AK3010/15-7.5	38.4215	AK3011/15KD-7.5
16	122.20	20	38.4116	AK3010/16-7.5	38.4216	AK3011/16KD-7.5
17	129.70	20	38.4117	AK3010/18-7.5	38.4217	AK3011/17KD-7.5
18	137.20	20	38.4118	AK3010/18-7.5	38.4218	AK3011/18KD-7.5
19	144.70	20	38.4119	AK3010/19-7.5	38.4219	AK3011/19KD-7.5
20	152.20	10	38.4120	AK3010/20-7.5	38.4220	AK3011/20KD-7.5
21	159.70	10	38.4121	AK3010/21-7.5	38.4221	AK3011/21KD-7.5
22	167.20	10	38.4122	AK3010/22-7.5	38.4222	AK3011/22KD-7.5
23	174.70	10	38.4123	AK3010/23-7.5	38.4223	AK3011/23KD-7.5
24	182.20	10	38.4124	AK3010/24-7.5	38.4224	AK3011/24KD-7.5

Material Specifications

Tension Spring	Stainless Steel
Solder Tab	Copper Alloy
Insulating Material	PA 6.6
Flammability Class	UL94V-0
Operating Temperature	-30°C - +105°C

Wave Solder Process

Soldering Temperature	265°C
Peak Soldering Time	3-10s

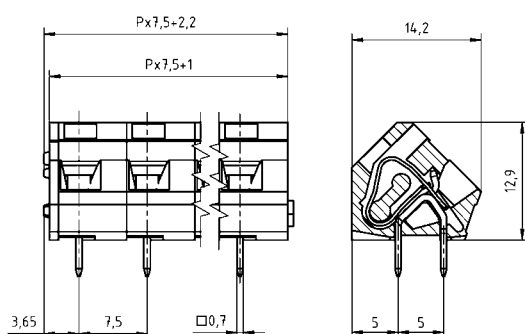
Installation Data

Stripping Length	6mm
PCB Hole Size	1.1mm

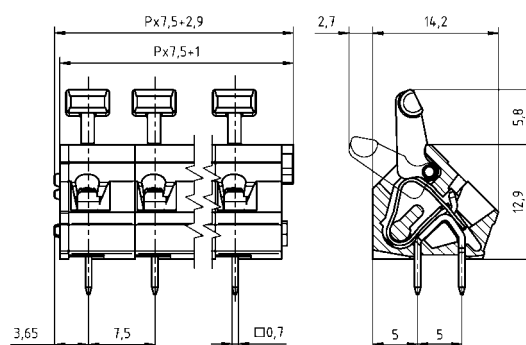
Other Colors Available

- GREEN, RAL 6018
- ORANGE, RAL 2011
- BLUE, RAL 5015

Dimensions (mm) - without lever



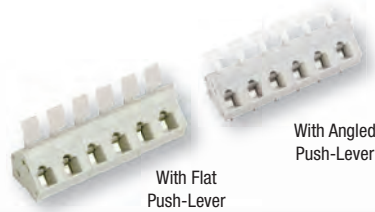
Dimensions (mm) - with grooved push-lever



PCB Tension Spring Terminal

7.50 mm Pin Spacing

- 45° Wire Entry
- Tension Spring Technology
- Modular
- Various Colors
- Standard Color: Light Gray



AK3011/xxFD-7.5
WITH FLAT PUSH-LEVER

AK3011/xxWD-7.5
WITH ANGLED PUSH-LEVER

Electrical Ratings

Usergroup	B	C	D	-
	300V	—	300V	750V
Rated Current	16A	—	10A	24A
Wire Size	solid 28-14AWG	—	28-14AWG	0.5mm ² -2.5mm ²
	stranded 28-14AWG	—	28-14AWG	0.5mm ² -2.5mm ²



Ordering Information

With Flat Lever

With Angled Lever

No. Poles	Length (mm)	Std. Pk.	Order #	Type #	Order #	Type #
1	9.70	100	38.4301	AK3011/1FD-7.5	38.4401	AK3011/1WD-7.5
2	17.20	100	38.4302	AK3011/2FD-7.5	38.4402	AK3011/2WD-7.5
3	24.70	100	38.4303	AK3011/3FD-7.5	38.4403	AK3011/3WD-7.5
4	32.20	50	38.4304	AK3011/4FD-7.5	38.4404	AK3011/4WD-7.5
5	39.70	50	38.4305	AK3011/5FD-7.5	38.4405	AK3011/5WD-7.5
6	47.20	50	38.4306	AK3011/6FD-7.5	38.4406	AK3011/6WD-7.5
7	54.70	50	38.4307	AK3011/7FD-7.5	38.4407	AK3011/7WD-7.5
8	62.20	50	38.4309	AK3011/8FD-7.5	38.4408	AK3011/8WD-7.5
9	69.70	50	38.4300	AK3011/9FD-7.5	38.4409	AK3011/9WD-7.5
10	77.20	50	38.4310	AK3011/10FD-7.5	38.4410	AK3011/10WD-7.5
11	84.70	50	38.4311	AK3011/11FD-7.5	38.4411	AK3011/11WD-7.5
12	92.20	50	38.4312	AK3011/12FD-7.5	38.4412	AK3011/12WD-7.5
13	99.70	20	38.4313	AK3011/13FD-7.5	38.4413	AK3011/13WD-7.5
14	107.20	20	38.4314	AK3011/14FD-7.5	38.4414	AK3011/14WD-7.5
15	114.70	20	38.4315	AK3011/15FD-7.5	38.4415	AK3011/15WD-7.5
16	122.20	20	38.4316	AK3011/16FD-7.5	38.4416	AK3011/16WD-7.5
17	129.70	20	38.4317	AK3011/17FD-7.5	38.4417	AK3011/17WD-7.5
18	137.20	20	38.4318	AK3011/18FD-7.5	38.4418	AK3011/18WD-7.5
19	144.70	20	38.4319	AK3011/19FD-7.5	38.4419	AK3011/19WD-7.5
20	152.20	10	38.4320	AK3011/20FD-7.5	38.4420	AK3011/20WD-7.5
21	159.70	10	38.4321	AK3011/21FD-7.5	38.4421	AK3011/21WD-7.5
22	167.20	10	38.4322	AK3011/22FD-7.5	38.4422	AK3011/22WD-7.5
23	174.70	10	38.4323	AK3011/23FD-7.5	38.4423	AK3011/23WD-7.5
24	182.20	10	38.4324	AK3011/24FD-7.5	38.4424	AK3011/24WD-7.5

Material Specifications

Tension Spring	Stainless Steel
Solder Tab	Copper Alloy
Insulating Material	PA 6.6
Flammability Class	UL94V-0
Operating Temperature	-30°C - +105°C

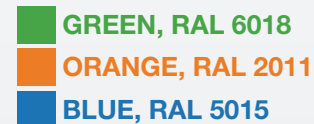
Wave Solder Process

Soldering Temperature	265°C
Peak Soldering Time	3-10s

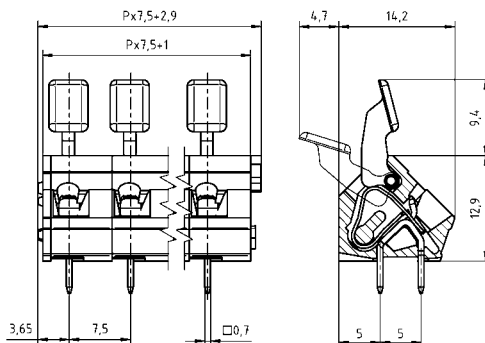
Installation Data

Stripping Length	6mm
PCB Hole Size	1.1mm

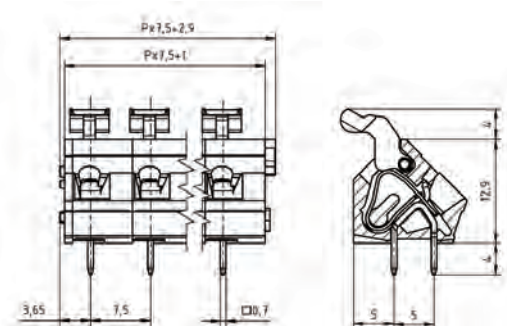
Other Colors Available



Dimensions (mm) - with flat push-lever



Dimensions (mm) - with angled push-lever



PCB Tension Spring Terminal

10.00 mm Pin Spacing

- 45° Wire Entry
- Tension Spring Technology
- Modular
- Various Colors
- Standard Color: Light Gray



AK3000/xx-10.0

WITHOUT LEVER

AK3001/xxKD-10.0

WITH GROOVED PUSH-LEVER

Electrical Ratings

		C ^{UL} US E178356		IEC ⁶⁰³²⁰ VDE ⁰¹¹⁰	
Usergroup		B	C	D	—
		300V	300V	—	1000V
Rated Current		15A	15A	—	24A
Wire Size	<i>solid</i>	28-14AWG	28-14AWG	—	0.5mm ² -2.5mm ²
	<i>stranded</i>	28-14AWG	28-14AWG	—	0.5mm ² -2.5mm ²

Ordering Information

Without Lever

With Grooved Lever

No. Poles	Length (mm)	Std. Pack	Order #	Type #	Order #	Type #
1	7.20	100	38.5101	AK3000/1-10.0	38.5201	AK3011/1KD-10.0
2	17.20	100	38.5102	AK3000/2-10.0	38.5202	AK3011/2KD-10.0
3	27.20	100	38.5103	AK3000/3-10.0	38.5203	AK3011/3KD-10.0
4	37.20	50	38.5104	AK3000/4-10.0	38.5204	AK3011/4KD-10.0
5	47.20	50	38.5105	AK3000/5-10.0	38.5205	AK3011/5KD-10.0
6	57.20	50	38.5106	AK3000/6-10.0	38.5206	AK3011/6KD-10.0
7	67.20	50	38.5107	AK3000/7-10.0	38.5207	AK3011/7KD-10.0
8	77.20	50	38.5108	AK3000/8-10.0	38.5208	AK3011/8KD-10.0
9	87.20	50	38.5109	AK3000/9-10.0	38.5209	AK3011/9KD-10.0
10	97.20	50	38.5110	AK3000/10-10.0	38.5210	AK3011/10KD-10.0
11	107.20	50	38.5111	AK3000/11-10.0	38.5211	AK3011/11KD-10.0
12	117.20	50	38.5112	AK3000/12-10.0	38.5212	AK3011/12KD-10.0
13	127.20	20	38.5113	AK3000/13-10.0	38.5213	AK3011/13KD-10.0
14	137.20	20	38.5114	AK3000/14-10.0	38.5214	AK3011/14KD-10.0
15	147.20	20	38.5115	AK3000/15-10.0	38.5215	AK3011/15KD-10.0
16	157.20	20	38.5116	AK3000/16-10.0	38.5216	AK3011/16KD-10.0
17	167.20	20	38.5117	AK3000/18-10.0	38.5217	AK3011/17KD-10.0
18	177.20	20	38.5118	AK3000/18-10.0	38.5218	AK3011/18KD-10.0
19	187.20	20	38.5119	AK3000/19-10.0	38.5219	AK3011/19KD-10.0
20	197.20	10	38.5120	AK3000/20-10.0	38.5220	AK3011/20KD-10.0
21	207.20	10	38.5121	AK3000/21-10.0	38.5221	AK3011/21KD-10.0
22	217.20	10	38.5122	AK3000/22-10.0	38.5222	AK3011/22KD-10.0
23	227.20	10	38.5123	AK3000/23-10.0	38.5223	AK3011/23KD-10.0
24	237.20	10	38.5124	AK3000/24-10.0	38.5224	AK3011/24KD-10.0

Material Specifications

Tension Spring	Stainless Steel
Solder Tab	Copper Alloy
Insulating Material	PA 6.6
Flammability Class	UL94V-0
Operating Temperature	-30°C - +105°C

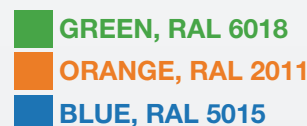
Wave Solder Process

Soldering Temperature	265°C
Peak Soldering Time	3-10s

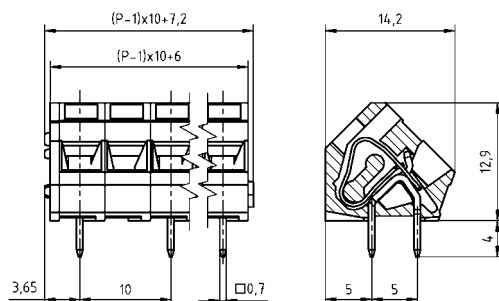
Installation Data

Stripping Length	6mm
PCB Hole Size	1.1mm

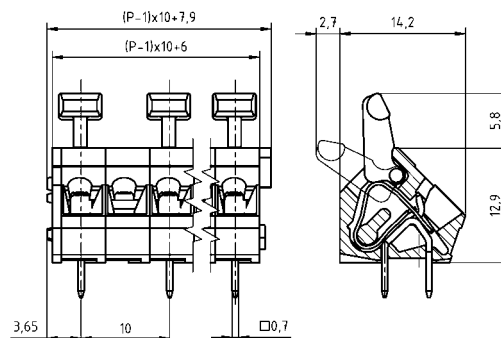
Other Colors Available



Dimensions (mm) - without lever



Dimensions (mm) - with grooved push-lever



PCB Tension Spring Terminal

10.00 mm Pin Spacing

- 45° Wire Entry
- Tension Spring Technology
- Modular
- Various Colors
- Standard Color: Light Gray



AK3001/xxFD-10.0

WITH FLAT PUSH-LEVER

AK3001/xxWD-10.0

WITH ANGLED PUSH-LEVER

Electrical Ratings

		UL E178356			IEC VDE	
Usergroup		B	C	D	-	
		300V	300V	-	750V	
Rated Current		15A	15A	-	24A	
Wire Size	solid	28-14AWG	28-14AWG	-	0.5mm ² -2.5mm ²	
	stranded	28-14AWG	28-14AWG	-	0.5mm ² -2.5mm ²	

Ordering Information

With Flat Lever

With Angled Lever

No. Poles	Length (mm)	Std. Pk.	Order #	Type #	Order #	Type #
1	7.20	100	38.5301	AK3001/1FD-10.0	38.5401	AK3001/1WD-10.0
2	17.20	100	38.5302	AK3001/2FD-10.0	38.5402	AK3001/2WD-10.0
3	27.20	100	38.5303	AK3001/3FD-10.0	38.5403	AK3001/3WD-10.0
4	37.20	50	38.5304	AK3001/4FD-10.0	38.5404	AK3001/4WD-10.0
5	47.20	50	38.5305	AK3001/5FD-10.0	38.5405	AK3001/5WD-10.0
6	57.20	50	38.5306	AK3001/6FD-10.0	38.5406	AK3001/6WD-10.0
7	67.20	50	38.5307	AK3001/7FD-10.0	38.5407	AK3001/7WD-10.0
8	77.20	50	38.5308	AK3001/8FD-10.0	38.5408	AK3001/8WD-10.0
9	87.20	50	38.5309	AK3001/9FD-10.0	38.5409	AK3001/9WD-10.0
10	97.20	50	38.5310	AK3001/10FD-10.0	38.5410	AK3001/10WD-10.0
11	107.20	50	38.5311	AK3001/11FD-10.0	38.5401	AK3001/11WD-10.0
12	117.20	50	38.5312	AK3001/12FD-10.0	38.5412	AK3001/12WD-10.0
13	127.20	20	38.5313	AK3001/13FD-10.0	38.5413	AK3001/13WD-10.0
14	137.20	20	38.5314	AK3001/14FD-10.0	38.5414	AK3001/14WD-10.0
15	147.20	20	38.5315	AK3001/15FD-10.0	38.5415	AK3001/15WD-10.0
16	167.20	20	38.5316	AK3001/16FD-10.0	38.5416	AK3001/16WD-10.0
17	177.20	20	38.5316	AK3001/18FD-10.0	38.5417	AK3001/17WD-10.0
18	187.20	20	38.5318	AK3001/18FD-10.0	38.5418	AK3001/18WD-10.0
19	197.20	20	38.5319	AK3001/19FD-10.0	38.5419	AK3001/19WD-10.0
20	107.20	10	38.5320	AK3001/20FD-10.0	38.5420	AK3001/20WD-10.0
21	207.20	10	38.5321	AK3001/21FD-10.0	38.5421	AK3001/21WD-10.0
22	217.20	10	38.5322	AK3001/22FD-10.0	38.5422	AK3001/22WD-10.0
23	227.20	10	38.5323	AK3001/23FD-10.0	38.5423	AK3001/23WD-10.0
24	237.20	10	38.5324	AK3001/24FD-10.0	38.5424	AK3001/24WD-10.0

Material Specifications

Tension Spring	Stainless Steel
Solder Tab	Copper Alloy
Insulating Material	PA 6.6
Flammability Class	UL94V-0
Operating Temperature	-30°C - +105°C

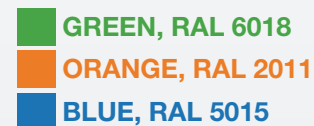
Wave Solder Process

Soldering Temperature	265°C
Peak Soldering Time	3-10s

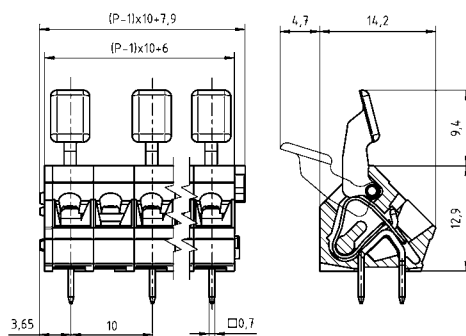
Installation Data

Stripping Length	6mm
PCB Hole Size	1.1mm

Other Colors Available



Dimensions (mm) - with flat push-lever



Dimensions (mm) - with angled push-lever

