E

Locked Buttress-Thread Slotted-Post Terminals GS-0-B – GS-4-B

Tongue Terminals and Jumpers DIN 46295 KA, QUCA and BR

Technical Data

Locked buttress-thread slotted-post terminals:

Rated Connecting Capacity:
See table

Rated Current:
To DIN VDE 0289 Part 4, Table 6, Column 6
GS-0-B: 26A
GS-1-B: 34A
GS-2-B: 44A
GS-3-B: 61A
GS-4-B: 82A

Material

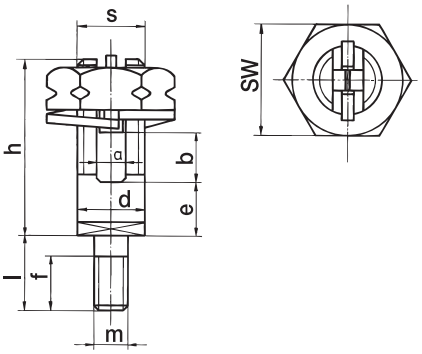
Locked buttress-thread slotted-post terminals:
Slotted Bolt and Clamping Member:
Nickel plated brass
Nut and Spring Washer: Zinc plated steel

Tongue Terminals and Jumpers:
Types KA and BR: Tin plated brass
Types QUCA: Tin plated copper

Description

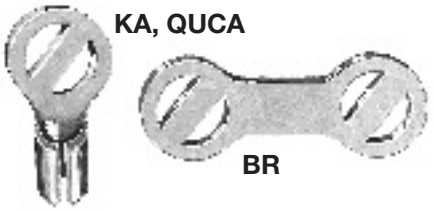
Locked buttress-thread slotted-post terminals:
These types GS comprise a slotted bolt DIN 22412, form B, and a terminal head. This terminal head is a unit comprising a hexagon nut, clamping member mounted so that it can rotate, and S-shaped spring. The horizontal thread flanks of the buttress-thread prevent the slotted bolt legs from being pressed together when the terminal head is tightened.The tightening force is transferred steadily to the clamped conductors via the spring and clamping member. This produces a durable, reliable contact pressure even if the conductors are compressed and also provides a strong reversing block (frictional locking).

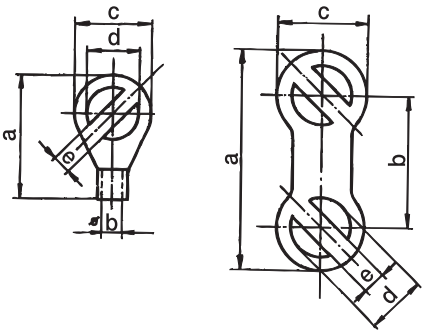
Cable lugs and links:
These are suitable as accessories for individual buttress thread slot terminals (with appropriate installation) and particularly for motor terminal boards (see pages 64 and 70).
With the cable lugs (KA) according to DIN 46295, the conductors are soldered, with the crimping cable lugs (QUCA) the conductors are crimped.
The links (BR) can be used for star or delta connection, BR-A-7 to BR-A-18 comply with DIN 46295 part 2.



Type Designation	Connecting Capacity mm² (AWG)		Max. Terminal Space a x b mm	(in)
GS-0-B	2x2,5	(2x13)	2,5x4,4	(0.10x0.17)
GS-1-B	2x4	(2x11)	3,1x6,2	(0.12x0.24)
GS-2-B	2x6	(2x9)	4,3x7,6	(0.17x0.30)
GS-3-B	2x10	(2x7)	5,0x10	(0.20x0.39)
GS-4-B	2x16	(2x5)	6,3x12,6	(0.25x0.50)

Type Design.	Buttress Thread S	h	e	m	f	l	d	SW
GS-0-B	S7x0,8	21 0.83	8 0.31	M4	7 0.28	10 0.39	4kt.8 0.31	10 0.39
GS-1-B	S8x1	23 0.91	8 0.31	M5	7 0.28	10 0.39	4kt.8 0.31	12 0.47
GS-2-B	S10x1	26 1.02	8 0.31	M5	8 0.31	11 0.43	4kt.10 0.39	14 0.55
GS-3-B	S12x1,25	31 1.22	9 0.35	M5	9 0.35	12 0.47	6kt.12 0.47	17 0.67
GS-4-B	S14x1,25	35 1.38	9 0.35	M6	10 0.39	13 0.51	6kt.14 0.55	19 0.75





Type Designation	matching to	Dimension mm/in a	b	c	d	e	thick-ness
KA-2,5-A	1070, 2070 KS-7-A, GS-0-B	21 0.83	2,3 0.09	11,5 0.45	8,3 0.33	2,3 0.09	0,8 0.03
KA-6-A	1071, 2071 KS-8-A, GS-1/2-B	22,5 0.89	3,5 0.14	12,5 0.49	8,3 0.33	2,9 0.11	1,0 0.04
KA-10-A	1072, GS-3-B KS-10-A	28 1.10	4,5 0.18	16 0.63	11 0.43	4,1 0.16	1,1 0.04
KA-16-A	1073, GS-4-B KS-14-A	36,5 1.44	6 0.24	21 0.83	15 0.59	6 0.24	1,5 0.06
KA-35-A	1074, GS-4-B KS-18-A	49 1.93	9 0.35	30 1.18	20 0.79	8,5 0.33	1,8 0.07
QUCA-7/8-1	1070, 2070 KS-7-A, GS-0-B	21 0.83	1,6 0.06	11,5 0.45	8,3 0.33	2,3 0.09	0,8 0.03
QUCA-7/8-2,5	1071, 2071 KS-8-A, GS-0-B	21 0.83	2,3 0.09	11,5 0.45	8,3 0.33	2,3 0.09	0,8 0.03
QUCA-8-4	1071, 2071 KS-8-A, GS-1/2-B	22,5 0.89	3,6 0.14	12,5 0.49	8,3 0.33	2,9 0.11	1,0 0.04
QUCA-10-2,5	1072, GS-3-B KS-10-A	25 0.98	2,3 0.09	16 0.63	11 0.43	4,1 0.16	0,8 0.03
QUCA-10-6	1072, GS-3-B KS-10-A	28 1.10	4,5 0.18	16 0.63	11 0.43	4,1 0.16	1,1 0.04
QUCA-14-6	1073, GS-4-B KS-14-A	33,5 1.32	4,5 0.18	21 0.83	15 0.59	6 0.24	1,1 0.04
QUCA-14-16	1073, GS-4-B KS-14-A	36,5 1.44	7,5 0.30	21 0.83	15 0.59	6 0.24	1,5 0.06
QUCA-18-16	1074, GS-4-B KS-18-A	44 1.73	7,5 0.30	30 1.18	20 0.79	8,5 0.33	1,5 0.06
QUCA-18-35	1074, GS-4-B KS-18-A	49 1.93	11 0.43	30 1.18	20 0.79	8,5 0.33	1,8 0.07
BR-2,5	1070 (not DIN 46295)	31,5 1.24	20 0.79	11,5 0.45	8,3 0.33	2,3 0.09	0,8 0.03
BR-A-7	2070 KS-7-A	34,5 1.36	23 0.91	11,5 0.45	8,3 0.33	2,3 0.09	0,8 0.03
BR-6	1071 (not DIN 46295)	35,5 1.40	23 0.91	12,5 0.49	8,5 0.33	2,9 0.11	1,0 0.04
BR-A-8	2071 KS-8-A	36,5 1.44	24 0.94	12,5 0.49	8,5 0.33	2,9 0.11	1,0 0.04
BR-A-10	1072 KS-10-A	44 1.73	28 1.10	16 0.63	11 0.43	4 0.16	1,5 0.06
BR-A-14	1073 KS-14-A	56 2.20	35 1.38	21 0.83	15 0.59	5,9 0.23	1,5 0.06
BR-A-18	1074 KS-18-A	75 2.95	45 1.77	30 1.18	29,5 0.77	8,5 0.33	2,0 0.08