

DESCRIPTION

PRODUCT COVERED:

Terminal blocks, type followed by catalog numbers as tabulated below.

Type	Catalog Number
AKZ1.5	3404.6
AKZ1.5T	3578.6, 3579.6, 3716.6, 4003.6, 4004.6, 4103.6, 4425.6
AKZ1.5TT	4421.6
AKZ1.5W	3294.6
AKZ4	2943.2, 2943.6
AKZ4T	3440.6, 3441.6, 3664.6, 4018.6, 4458.6, 4616.6
AKZ4TT	3719.6
AKZ4WW	3640.6
AKZ4L	3348.2, 3348.6
AKZ4LL	3464.2, 3464.6, 3465.2, 3465.6
AKZ4S	3244.6
AKZ4SS	-
*AK4	-
AK4/10	3665.6
AK4M/10	3859.6
AKZ4/10	3595.6
R2.5	3475, 3475.6
RSF1	2703
DK4	3554.6
SKIS4	6444.6, 5872.6, 2848.6, 1014.6
DK4Q/35	5901.6
DKQV/35	3636.6
(Note: Type DK4, Cat. No. 3554.6 is also covered in Vol. 2, Sec. 3, File E60693).	
DK4/35	5276.6
DK4/750	5239.6, 5263.6
DK4/35	157270 750
DK4S	6311.6, 6312.6
DK4S/35	6865.6, 6866.6
DK4SS/35	2171.6, 2970.6
DK4T	3703.6, 3704.6, 5337.6, 5365.6
DKT4/32	6873.6, 6742.6
DKT4/35	6874.6, 6743.6
DK4V/32	1675.6, 3711.6, 4750.6
DK4V/35	6434.6, 6623.6
DK4Q/32	5900.6, 5900.8
DK4QV/32	5902.6, 5902.8

GENERAL:

These are one circuit terminal blocks which provide screw-tightening pressure wire connectors, solder lugs, or a combination of pressure connector and solder lug, quick-connect terminal, or wire wrap for conductor termination. The devices are intended for rail-mounting, and may be ganged to form multi-circuit units. All types are suitable for factory wiring in general industrial and commercial applications.

* The pressure wire connectors for Types AKZ1.5, AKZ1.5T, AKZ1.5TT, AKZ1.5W, AKZ4, AKZ4T, AKZ4TT, AKZ4WW, AKZ4L, AKZ4LL, AKS4S, AK4, AK4/10, AK4M/10, AKZ4/10, DK4, DK4/35, DK4Q/35, DK4Q/32, DK4QV/32, DK4S, DK4S/35, DK4SS/35, DK4/750, DK4/35 750, DKT4, DKT4/32, DKT4/35, R2.5, and RSF1 are suitable for field wiring in general industrial applications.

Terminal block Type DK1S4, Cat. No. 5872.6, 6444.6, 2848.6, and 1014.6 utilize identical materials and similar design with exception of mounting arrangement.

RATINGS - See Table 1.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only with products where the suitability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. The mounting suitability shall be determined in the end use.
2. See "Construction Details": for insulation temperature index.

The suitability of the Wellamid 6600 HW/L nylon shall be determined in the end use.

TABLE 1

Type	Maximum Amp	Maximum Voltage		Wire Range, AWG Copper	Notes	Torque Lb/In.
		Industrial	Commercial			
AKZ1.5	15	150	250	140-22 AWG	-	4.5
AKZ1.5T	10	300	250	26-14 AWG	A	4.5
AKZ1.5TT	10	300	250	30-20 AWG	A	N/A
AKZ1.TW	10	300	250	26-14 AWG	A	4.5
AKZ4	27 $\frac{1}{2}$	300	250	22-12 AWG	B	8
AKZ4T	10	300	250	22-12 AWG	A, B	8
AKZ4TT	10	300	250	30-20 AWG	A	N/A
AKZ4WW	10	300	250	30-12 AWG	A	N/A
AKZ4L	20	300	250	22-12 AWG	B	8
AKZ4LL	20	300	250	22-12 AWG	B	N/A
AKZ4S	20	150	250	22-12 AWG	B	8
AKZ4SS	10	150	250	22-12 AWG	B	-
*AK4, AK4/10	27 $\frac{1}{2}$	600	600	22-12 AWG	B	5.5
AK4M/10	10	300	250	22-12 AWG	B	5.5
AKZ4/10	27 $\frac{1}{2}$	300	250	22-12 AWG	B	8
R2.5	20	300	250	22-12 AWG	B	Omit
RSF1	40	600	600	14-8 AWG	-	14.5
DK4	27 $\frac{1}{2}$	300	250	22-12 AWG	B	8
DK4/35	27 $\frac{1}{2}$	300	250	22-12 AWG	B	8
DK4Q/35	27 $\frac{1}{2}$	300	250	22-10 AWG	B	8
DK4QV/35	27 $\frac{1}{2}$	300	250	22-10 AWG	B	8
DK4/750	27 $\frac{1}{2}$	600	600	22-12 AWG	B	8
DK4/35 750	27 $\frac{1}{2}$	600	600	22-12 AWG	B	8
DK4S	10	300	250	22-12 AWG	B	8
DK4S/35	10	300	250	22-12 AWG	B	8
DK4SS/35	10	300	250	22-12 AWG	B	N/A
DKT4/32	10	300	250	22-12 AWG	B	5.5
DKT4/35	10	300	250	22-12 AWG	B	5.5
DK4T	10	300	250	22-12 AWG	A, B	8
DK4V/32	10	300	250	22-12 AWG	B	8
DK4V/35	10	300	250	22-12 AWG	B	8
DK4Q/32	27+	300	250	22-10 AWG	B	8
DK4QV/32	27+	300	250	22-10 AWG	B	8
DKIS4	10	300	250	22-12 AWG	B	5.5

NOTE A: The wire range specified by the manufacturer for the wire wrap terminals is No. 30-20 AWG Cu.

3. The suitability of connections to solder lug, wire-wrap, and quick-connect terminals shall be determined in the end use. These terminals are for factory-wiring only.

* Exception - Types AKZ4S, AKZ4SS, DK4S, and DK4S/35 provide quick-connect male tabs which comply with the construction requirements of UL 310 Standard for Quick-Connect Terminals. When terminated by Listed female connectors, the combination may be suitable for field-wiring.

4. The wire-wrap terminals have not been investigated. Their suitability with respect to temperature and spacings when wired, shall be determined in the end use.

5. The suitability of accessories such as jumpers, test plugs, cross-connecting links, etc., shall be determined in the end use.

6. These devices may be suitable in other applications providing spacings, heat rise, insulating material, etc., are acceptable in the end use.

7. The suitability of barriers (covered in Fig. 4) shall be determined in the end use.

8. Types DKT4/32, DKT4/35 - The disconnect feature is not intended to be opened under load.

9. The acceptability of the insulating materials, including any higher temperature rating, is to be judged with respect to the end use product temperature.

10. The tightening torque for field wiring pressure wire connector terminals is recorded in the Ratings section of this Report. This torque value shall be marked on the end-use product for those categories which require torque markings for field terminated conductors.

11. Type DK4 Series were evaluated for the requirements in the Standard Equipment Wiring Terminals for USC with aluminum and/or copper conductors, under UL 486E and are considered suitable for circuits having no more than 10,000 A available.

12. Devices employing quick-connect tabs have not been evaluated for tab pull requirements.