



Product Service

CERTIFICATE

No. B 15 10 22856 015

Holder of Certificate: Mibu Denki Industrial Co.,Ltd.50 Nikinomori-cho, Kisshouin
Minami-ku, Kyoto 601-8354
JAPAN**Production Facility(ies):** 22856**Certification Mark:****Product:** Terminal block
Model(s): D series, M series and FW series
(See Attachment 1 for nomenclature)**Parameters:**
Rated voltage: 600V, 1000V or 1000Vac/1500Vdc
Rated current: max. 520A
Rated cross section: max. 150x2 mm²
Protection degree: IP20, IP10 or IP00
Rated impulse withstand voltage: 6, 8 or 12kV
Overvoltage category: III or IV
Pollution degree: 2
(see Attachment 1 for details)**Remarks:**
When installing / inserting the equipment, all requirements of the mentioned test standard must be fulfilled.**Tested according to:** EN 60947-7-1:2009

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 73516095-05**Valid until:** 2020-09-29**Date,** 2015-10-01
(Shigehisa Ishikawa)

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Nomenclature

D Series

$\frac{D}{I} \frac{VV}{II} - \frac{WWW}{III} \frac{X}{IV} - \frac{yyP}{V} - \frac{ZZZ}{VI}$

- I: Basic Type Designation for D series
- II: Denote Mounting type, Clamping type
 - F: Rail mounting (individual) type, clamping type according to suffix IV
 - FU: Rail mounting (individual) type, self-up screw clamping type
 - TK: Fixed mounting (pre-assembled) type, clamping type according to suffix IV
- III: Denote Rated Current Category (based on rated current for UL application)
 - 15S: 15A
 - 20: 20A
 - 30: 30A
 - 50: 50A
 - 75: 75A
 - 75N: 75A
 - 100: 100A
 - 150: 150A
 - 150N: 150A
 - 200: 200A
 - 200N: 230A
 - 240: 240A
 - 300: 300A
 - 300N: 300A
 - 400: 400A
 - 302: 30A
- IV: Denote Clamping type for DF- and DTK- type
 - Blank: Screw clamping type (except for *1a, *2a, *1b, *2b, *1c, *2c, *3)
 - U: Self-up screw clamping type (only applicable to *3)

 - Blank: Screw clamping type (only applicable to *1a, *2a, *1c, *2c)
 - S1: Screw and Stud clamping type (only applicable to *1a, *2a, *1c, *2c)
 - S2: Stud clamping type (only applicable to *1a, *2a, *1c, *2c)

 - S#: Screw clamping type (only applicable to *1b, *2b)
 - S1#: Screw and Stud clamping type (only applicable to *1b, *2b)
 - S2#: Stud clamping type (only applicable to *1b, *2b)
 - (Note: # denotes type of mounting as follows.)
 - Blank; Rail or Fixed mounting type according to suffix II
 - J; Screw mounting (individual) type with M5 screws
 - S; Fixed mounting type with Mounting clip, type FTK-S

 - (Note: Refer to Remark of Type references about *1a, *2a, *1b, *2b, *1c, *2c, *3.)
- V: Denote Number of poles
 - 1P - 99P: Number of poles (for Rail mounting and Fixed mounting type only)
 - Blank: No poles specified (for Base unit type only)
 - (Note: Base unit type is without Rail and Fixed mounting type having no one or both side end plate.)

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VI: Denote Manufacturer's optional control code
Maximum 3 digit of any numbers, alphanumeric letters or blank

M Series

$\frac{M}{I} \frac{vv}{II} - \frac{www}{III} \frac{x}{IV} - \frac{yyP}{V} - \frac{zzz}{VI}$

- I: Basic Type Designation for M Series
- II: Denote Mounting, Clamping type
 - BT: Rail mounting (individual) type, Self-up screw clamping type
 - TK: Fixed mounting (pre-assembled) type, Self-up screw clamping type
- III: Denote Rated Current Category (based on rated current for UL application)
 - 15S: 15A
 - 20: 20A
 - 30: 30A
 - 60: 60A
- IV: Denote Function, Color
 - N: Neutral terminal, Light blue
 - Blank: Basic terminal, Light gray
- V: Denote Number of Poles
 - 1P -99P: Number of poles (for Rail mounting and Fixed mounting type only)
 - Blank: No poles specified (for Base unit type only)
 - (Note: Base unit type is without Rail and Fixed mounting type having no one or both side end plate.)

VI: Denote Manufacturer's optional control code
Maximum 3 digit of any numbers, alphanumeric letters or blank

FW Series

$\frac{FW}{I} \frac{vv}{II} - \frac{www}{III} \frac{x}{IV} - \frac{yyP}{V} - \frac{zzz}{VI}$

- I: Basic Type Designation for FW Series
- II: Denote Mounting, Clamping type
 - U: Rail mounting (individual) type, Self-up screw clamping type
 - K: Fixed mounting (pre-assembled) type, clamping type according to suffix IV
- III: Denote Rated Current Category (based on rated current for UL application)
 - 15S: 15A
 - 15: 15A
- IV: Denote Clamping type for Fixed mounting type
 - U: Self-up screw clamping type
 - Blank: Screw clamping type
- V: Denote Number of Poles
 - 1P -99P: Number of poles (for Rail mounting and Fixed mounting type only)
 - Blank: No poles specified (for Base unit type only)
 - (Note: Base unit type is without Rail and Fixed mounting type having no one or both side end plate.)
- VI: Denote Manufacturer's optional control code
Maximum 3 digit of any numbers, alphanumeric letters or blank

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Type References

Type			Ratings								Remarks
Individual type	Pre-assembled type	Base unit type	OVC	Uimp (kV)	Voltage (V)	Current (A)	Cross Section (mm ²)	Connecting Capacity (mm ²)	Torque (Nm)	IP	
DF-15S-xP	DTK-15S-xP	DF-15S	III	6	600	24	2.5	0.3-2.5	0.8-1.2	IP20	
DF-20-xP	DTK-20-xP	DF-20	III	6	600	32	4	0.75-4	1.2-2.0	IP20	
DF-30-xP	DTK-30-xP	DF-30	III	6	600	41	6	1.25-6	1.2-2.0	IP20	
DF-50-xP	DTK-50-xP	DF-50	III	6	600	76	16	1.25-16	2.0-2.5	IP10	
DF-75-xP	DTK-75-xP	DF-75	III	8	1000	101	25	2-25	3.5-5.0	IP10	
DF-100-xP	DTK-100-xP	DF-100	III	8	1000	150	50	2-50	8.0-10	IP10	
DF-150-xP	DTK-150-xP	DF-150	III	8	1000	192	70	5.5-70	8.0-10	IP10	
DF-200-xP	DTK-200-xP	DF-200	III	8	1000	269	120	5.5-120	15-20	IP10	*1
DF-300-xP	DTK-300-xP	DF-300	III	8	1000	309	150	8-150	15-20	IP00	*2
DF-400-xP	DTK-400-xP	DF-400	IV	12	1000ac/1500dc	520	150x2	14-150x2	25-35	IP00	
DF-400S1-xP	DTK-400S1-xP	DF-400S1	IV	12	1000ac/1500dc	520	150x2	14-150x2	25-35	IP00	*1c, *2c
DF-400S2-xP	DTK-400S2-xP	DF-400S2	IV	12	1000ac/1500dc	520	150x2	14-150x2	25-35	IP00	
DFU-15S-xP	DTK-15SU-xP	DFU-15S	III	6	600	24	2.5	0.3-2.5	0.6-1.2	IP20	*3
DFU-20-xP	DTK-20U-xP	DFU-20	III	6	600	32	4	0.75-4	1.2-2.0	IP20	
DFU-30-xP	DTK-30U-xP	DFU-30	III	6	600	41	6	1.25-6	1.2-2.0	IP20	
DFU-50-xP	DTK-50U-xP	DFU-50	III	6	600	76	16	1.25-16	2.0-2.5	IP10	
DFU-302-xP	DTK-302U-xP	DFU-302	III	6	600	30	6	1.0-6	1.2-2.0	IP20	
MBT-15S-xP	MTK-15S-xP	MBT-15S	III	6	600	22	2.0	0.5-2.0	0.8-1.2	IP20	
MBT-20-xP	MTK-20-xP	MBT-20	III	6	600	29	3.5	0.75-3.5	1.2-2.0	IP20	
MBT-30-xP	MTK-30-xP	MBT-30	III	6	600	38	5.5	1.5-5.5	1.2-2.0	IP20	
MBT-60-xP	MTK-60-xP	MBT-60	III	6	600	67	14	3.5-14	2.5-3.5	IP20	
MBT-15SN-xP	MTK-15SN-xP	MBT-15SN	III	6	600	22	2.0	0.5-2.0	0.8-1.2	IP20	
MBT-20N-xP	MTK-20N-xP	MBT-20N	III	6	600	29	3.5	0.75-3.5	1.2-2.0	IP20	
MBT-30N-xP	MTK-30N-xP	MBT-30N	III	6	600	38	5.5	1.5-5.5	1.2-2.0	IP20	
MBT-60N-xP	MTK-60N-xP	MBT-60N	III	6	600	67	14	3.5-14	2.5-3.5	IP20	
FW-15S-xP	FWK-15S-xP	FW-15S	III	6	600	24	2.5	0.3-2.5	0.8-1.2	IP20	
FWU-15-xP	FWK-15U-xP	FWU-15S	III	6	600	24	2.5	0.3-2.5	0.8-1.2	IP20	
DF-200N-xP	DTK-200N-xP	DF-200N	IV	12	1000ac/1500dc	242	100	5.5-100	15-20	IP10	*1a
DF-200NS1-xP	DTK-200NS1-xP	DF-200NS1	IV	12	1000ac/1500dc	242	100	5.5-100	15-20	IP10	
DF-200NS2-xP	DTK-200NS2-xP	DF-200NS2	IV	12	1000ac/1500dc	242	100	5.5-100	15-20	IP10	
DF-300N-xP	DTK-300N-xP	DF-300N	IV	12	1000ac/1500dc	309	150	5.5-150	15-20	IP00	*2a
DF-300NS1-xP	DTK-300NS1-xP	DF-300NS1	IV	12	1000ac/1500dc	309	150	5.5-150	15-20	IP00	
DF-300NS2-xP	DTK-300NS2-xP	DF-300NS2	IV	12	1000ac/1500dc	309	150	5.5-150	15-20	IP00	

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DF-100S&-xP	DTK-100S&-xP	DF-100S	III	8	1000	101	22	2-22	3.5-5.0	IP10	*1b
	DTK-100S&-xP		III	8	1000	101	22	2-22	3.5-5.0	IP10	
DF-100S&-xP	-		III	8	1000	101	22	2-22	3.5-5.0	IP10	
DF-240S&-xP	DTK-240S&-xP	DF-240S	III	8	1000	175 / 240	60 / 60+14	2-60 / 2-60+14	8.0-10	IP10	*2b
	DTK-240S&-xP		III	8	1000	175 / 240	60 / 60+14	2-60 / 2-60+14	8.0-10	IP10	
DF-240S&-xP	-		III	8	1000	175 / 240	60 / 60+14	2-60 / 2-60+14	8.0-10	IP10	
DF-75N-xP	DTK-75N-xP	DF-75N	III	8	1000	120	22	1.25-22	3.5-5	IP10	*1c
DF-75NS1-xP	DTK-75NS1-xP	DF-75NS1	III	8	1000	120	22	1.25-22	3.5-5	IP10	
DF-75NS2-xP	DTK-75NS2-xP	DF-75NS2	III	8	1000	120	22	1.25-22	3.5-5	IP10	
DFU-75N-xP	DTK-75NU-xP	DFU-75N	III	8	1000	120	22	1.25-22	3.5-5	IP10	*3
DF-150N-xP	DTK-150N-xP	DF-150N	IV	12	1000ac/1500d c	160 / 200	38 / 60	1.25-60	8.0-10	IP10	*2c
			IV	12	1000ac/1500d c	160 / 200	38 / 60	1.25-60	8.0-10	IP10	
			IV	12	1000ac/1500d c	160 / 200	38 / 60	1.25-60	8.0-10	IP10	
DFU-150N-xP	DTK-150NU-xP	DFU-150N	IV	12	1000ac/1500d c	160 / 200	38 / 60	1.25-60	8.0-10	IP10	*3

x : denotes number of poles (any number 1 to 99)

& : denotes type of clamping (Blank, 1 or 2, Refer to 1.3.1 Nomenclature.)

Remark: *1a, *2a use thinner terminal plates than those of *1, *2.