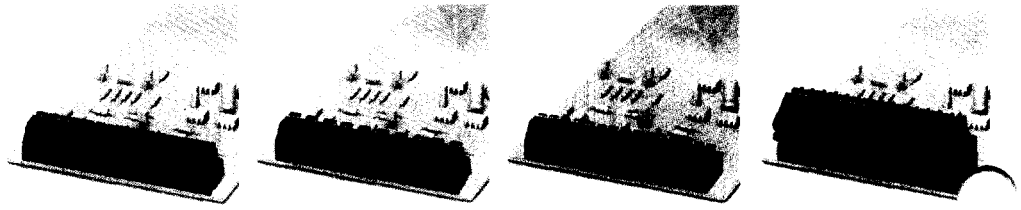


Technical Data

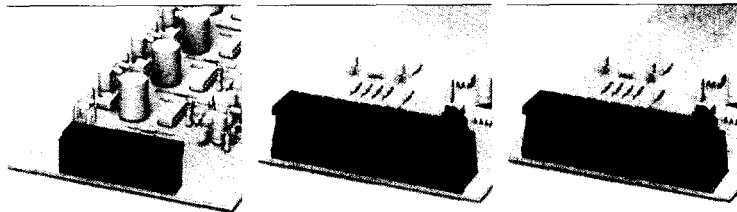
Printed Circuit Spring Terminal Blocks, Pitch 5.08 and 7.62 mm



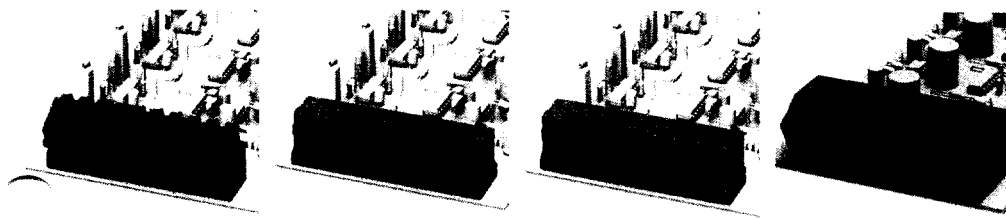
| | MFKDS-5,08 | MFKDSA-7,62 | MFKDSP/...-5,08 | FKDS-5,08 |
|--|---------------------------------|---------------------------------|-------------------------------|---------------------------------|
| Order data see page | 61 | 61 | 61 | 62 |
| Dimensions | see description | see description | see description | see description |
| Pitch [mm] | 5.08 | 7.62 | 5.08 | 5.08 |
| Hole diameter [mm] | 1.3 | 1.3 | 1.3 | 1.3 |
| Pin dimensions [mm] | 0.5 x 1 | 0.5 x 1 | 0.5 x 1 | 0.5 x 1 |
| Nominal data in accordance with IEC / DIN VDE | | | | |
| Insulation material group | I | I | I | I |
| Surge voltage category / contamination class | III / 3 III / 2 II / 2 | III / 3 III / 2 II / 2 | III / 3 III / 2 II / 2 | III / 3 III / 2 II / 2 |
| Rated voltage [V] | 320 320 630 | 500 630 1000 | 250 320 630 | 320 320 630 |
| Rated surge voltage [kV] | 4 4 4 | 6 6 6 | 4 4 4 | 4 4 4 |
| Nominal current / cross section [A] / [mm ²] | 12 / 1.5 | 12 / 1.5 | 12 / 1 | 17.5 / 1.5 |
| Maximum load current / cross section [A] / [mm ²] | 12 / 1.5 | 12 / 1.5 | 12 / 1.5 | 17.5 / 1.5 |
| Connection capacity | | | | |
| solid / stranded / conductor sizes [mm ²]/[mm ²]/AWG | 0.2 - 1.5 / 0.2 - 1.5 / 24 - 16 | 0.2 - 1.5 / 0.2 - 1.5 / 24 - 16 | 0.2 - 1.5 / 0.2 - 1 / 24 - 16 | 0.2 - 1.5 / 0.2 - 1.5 / 24 - 16 |
| stranded with ferrules without / with plastic collar [mm ²] | 0.25 - 0.75 / 0.25 - 0.75 | 0.25 - 0.75 / 0.25 - 0.75 | 0.25 - 0.75 / 0.25 - 0.75 | 0.25 - 0.75 / 0.25 - 0.75 |
| Stripping length [mm] | 10 | 10 | 10 | 11 |
| Insulation material | PA | PA | PA | PA |
| Inflammability class acc. to UL 94 | V2 | V2 | V2 | V2 |
| Temperature indices RTI / Ti | 125 / 100 | 125 / 100 | 125 / 100 | 125 / 100 |
| Approval data (UL and CSA) | | | | |
| Nominal voltage / current / conductor sizes UL: [V] / [A] / AWG | 300 / 10 / 22-16 | 300 / 10 / 22-16 | 300 / 11 / 22-18 | 300 / 10 / 22-16 |
| CSA: [V] / [A] / AWG | 300 / 10 / 16 | 300 / 10 / 16 | 300 / 10 / 22-18 | 300 / 10 / 16 |

Technical Data

Printed Circuit Insulation Displacement Terminal Blocks, Pitch 3.81 and 5.08 mm



| | IDC 0,3/...-3,81 | IDC 0,5-DL | IDC 0,8-DP |
|---|------------------------|------------------------|------------------------|
| Order data see page | 64 | 65 | 65 |
| Dimensions | see description | see description | see description |
| Pitch [mm] | 3.81 | 5.08 | 5.08 |
| Hole diameter [mm] | 1.3 | 1.3 | 1.3 |
| Pin dimensions [mm] | 1 x 0.4 | 1.04 x 0.56 | 1.04 x 0.56 |
| Nominal data in accordance with IEC / DIN VDE | | | |
| Insulation material group | I | I | I |
| Surge voltage category / contamination class | III / 3 III / 2 II / 2 | III / 3 III / 2 II / 2 | III / 3 III / 2 II / 2 |
| Rated voltage [V] | 160 160 320 | 250 320 630 | 250 320 630 |
| Rated surge voltage [kV] | 2.5 2.5 2.5 | 4 4 4 | 4 4 4 |
| Nominal current / cross section [V] / [A] / [mm ²] | 5 / 0.34 | 6 / 0.5 | 10 / 0.8 |
| Maximum load current / cross section [A] / [mm ²] | 5 / 0.34 | 6 / 0.5 | 10 / 0.8 |
| Connection capacity | | | |
| single-stranded (surface bare, tin- or silver-plated) [mm ²]/AWG | 0.13 - 0.31 / 26 - 22 | 0.08 - 0.5 / 28 - 20 | 0.08 - 0.79 / 28 - 18 |
| multi-stranded (7 single wires, tin- or silver-plated) [mm ²]/AWG | 0.22 - 0.34 / 24 - 22 | 0.12 - 0.56 / 26 - 20 | 0.12 - 0.93 / 26 - 18 |
| Insulation material | PA | PA | PA |
| Inflammability class acc. to UL 94 | V0 | V2 | V2 |
| Temperature indices RTI / Ti | 130 / 120 | 125 / 100 | 125 / 100 |
| Approval data (UL and CSA) | | | |
| Nominal voltage / current / conductor sizes UL: [V] / [A] / AWG | — | 300 / 5 / 30-20 | 300 / 10 / 30-18 |
| CSA: [V] / [A] / AWG | — | 300 / 10 / 28-20 | 300 / 10 / 28-18 |



FKDSA-7,62

62
see description
7.62
1.3
0.5 x 1

| I | | |
|------------|---------|--------|
| III / 3 | III / 2 | II / 2 |
| 500 | 630 | 1000 |
| 6 | 6 | 6 |
| 17.5 / 1.5 | | |
| 17.5 / 1.5 | | |

0.2 - 1.5 / 0.2 - 1.5 / 24 - 16
0.25 - 0.75 / 0.25 - 0.75

11
PA
V2
125 / 100

300 / 10 / 22-16
300 / 10 / 16

FKDSV-5,08/SA...

63
see description
5.08
1.3
0.5 x 1

| I | | |
|------------|---------|--------|
| III / 3 | III / 2 | II / 2 |
| 320 | 320 | 630 |
| 4 | 4 | 4 |
| 17.5 / 1.5 | | |
| 17.5 / 1.5 | | |

0.2 - 1.5 / 0.2 - 1.5 / 24 - 16
0.25 - 0.75 / 0.25 - 0.75

11
PA
V2
125 / 100

300 / 10 / 22-16
300 / 10 / 16

FKDSV-7,62/SA...

63
see description
7.62
1.3
0.5 x 1

| I | | |
|------------|---------|--------|
| III / 3 | III / 2 | II / 2 |
| 500 | 630 | 1000 |
| 6 | 6 | 6 |
| 17.5 / 1.5 | | |
| 17.5 / 1.5 | | |

0.2 - 1.5 / 0.2 - 1.5 / 24 - 16
0.25 - 0.75 / 0.25 - 0.75

11
PA
V2
125 / 100

300 / 10 / 22-16
300 / 10 / 16

FKDSP-MT-5,08

63
see description
5.08
1.3
0.8 x 1

| I | | |
|------------|---------|--------|
| III / 3 | III / 2 | II / 2 |
| 320 | 320 | 630 |
| 4 | 4 | 4 |
| 13.5 / 1.5 | | |
| 13.5 / 1.5 | | |

0.2 - 1.5 / 0.2 - 1.5 / 24 - 16
0.25 - 0.75 / 0.25 - 0.75

9
PA
V2
125 / 100

—
—

FKDSPA1-MT-7,62

63
see description
7.62
1.4
0.8 x 1

| I | | |
|------------|---------|--------|
| III / 3 | III / 2 | II / 2 |
| 500 | 630 | 1000 |
| 6 | 6 | 6 |
| 13.5 / 1.5 | | |
| 13.5 / 1.5 | | |

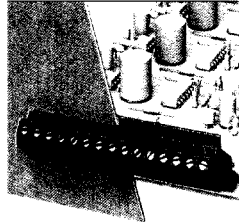
0.2 - 1.5 / 0.2 - 1.5 / 24 - 16
0.25 - 0.75 / 0.25 - 0.75

9
PA
V2
125 / 100

—
—

Technical Data

Printed Circuit Panel Feed Through Terminal Blocks, Pitch 5 mm



DMKDS 2,5

65
see description
5
1.4
1.1 x 0.7

Order data see page

Dimensions

Pitch [mm] 5
Hole diameter [mm] 1.4
Pin dimensions [mm] 1.1 x 0.7

Nominal data in accordance with IEC / DIN VDE

| | | I | | |
|---|-----|----------|---------|--------|
| | | III / 3 | III / 2 | II / 2 |
| Insulation material group | — | | | |
| Surge voltage category / contamination class | —/— | | | |
| Rated voltage [V] | | 320 | 320 | 630 |
| Rated surge voltage [kV] | | 4 | 4 | 4 |
| Nominal current / cross section [A] / [mm ²] | | 26 / 2.5 | | |
| Maximum load current / cross section [A] / [mm ²] | | 30 / 4 | | |

Connection capacity

solid / stranded / conductor sizes [mm²]/[mm²]/AWG 0.2 - 4 / 0.2 - 2.5 / 24 - 12
stranded with ferrules without / with plastic collar [mm²] 0.25 - 2.5 / 0.25 - 2.5

Multiple connection (2 conductors with same cross section)

solid / stranded [mm²] 0.2 - 1.5 / 0.2 - 1
stranded with ferrules without plastic collar [mm²] 0.25 - 0.5
stranded with TWIN ferrules with plastic collar [mm²] 0.5 - 1.5

Stripping length [mm] 7

Internal cylindrical gage (IEC 947-1:1988) — A 3

Thread — M 3

Torque [Nm] 0.5 - 0.6

Insulation material PA

Flammability class acc. to UL 94 V2

Temperature indices RTI / Ti 125 / 100

Approval data (UL and CSA)

Nominal voltage / current / conductor sizes UL: [V] / [A] / AWG 300 / 10 / 30-14
CSA: [V] / [A] / AWG 300 / 10 / 28-14