

Pos-E-Kon™

Engineering Reference

A Series

Specifications

DIN VDE 0627/86	DIN VDE 0627/86
DIN VDE 0110/02.79	DIN VDE 0110/02.79
DIN VDE 0110-1/04.97	DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512	IEC 60-664-1, DIN/IEC 512

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	3,4,10,16,32 (2x16)
Working current	A3,A4 @ 10A max. A10 - A32 @ 16A max.
Rated Voltage	600VAC
Test Voltage	4 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40°C/-40°F to +125°C/+257°F
Flammability	UL94 V-0

Contacts

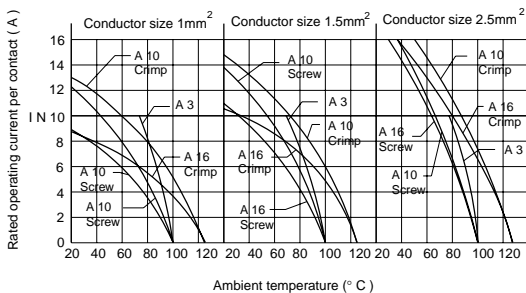
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 1 milliohm
Screw Terminals	Wire AWG
with Wire Protection	20-14 AWG (0.5-2.5mm ²)
Crimp Terminals	20-12 AWG (0.5-4.0mm ²)

Housings

Materials	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms	
> Single Locking Levers	A3, 4, 10, 16 Steel, Zinc or Chrome Plated
> Double Locking Levers	A32 Steel, Zinc or Chrome Plated
Temperature Range	-40°C/-40°F to +125°C/+257°F
Internal Protection	A3,4: IP44 A10,16,32: IP65 per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



B Series

Specifications

DIN VDE 0627/86
DDIN VDE 0110/02.79
DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	6,10,16,24, 32 (2x16), 48 (2x24)
Working current	16A max.
Rated Voltage	600VAC
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40°C/-40°F to +125°C/+257°F
Flammability	UL94 V-0

Contacts

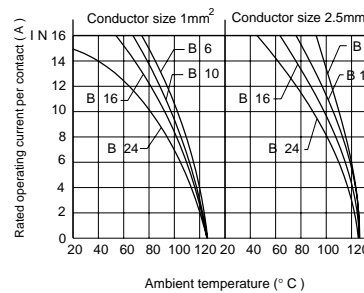
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 1 milliohm
Screw Terminals	Wire AWG
with Wire Protection	20-14 AWG (0.5-2.5mm ²)
Crimp Terminals	20-12 AWG (0.5-4.0mm ²)

Housings

Materials	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms	
> Single Locking Levers	B6, 10, 24, 32, 48 Steel, Zinc or Chrome Plated
> Double Locking Levers	B10, 16, 24 Stainless Steel w/ high impact Thermoplastic Split Grips
> Double Locking Levers	B32 Steel, Zinc or Chrome Plated
Temperature Range	-40°C/-40°F to +125°C/+257°F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



C Series

Specifications

DIN VDE 0627/86	DIN VDE 0627/86
DIN VDE 0110/02.79	DIN VDE 0110/02.79
DIN VDE 0110-1/04.97	DIN VDE 0110-1/04.97
IEC 60-664-1, DIN/IEC 512	IEC 60-664-1, DIN/IEC 512

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	6, 12 (2x6)
Working current	35A
Rated Voltage	600VAC
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40°C/-40°F to +125°C/+257°F
Flammability	UL94 V-0

Contacts

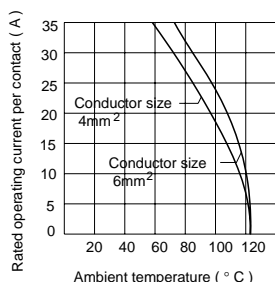
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 0.5 milliohm
Screw Terminals	Wire AWG
with Wire Protection	20-10 AWG (0.5-6.0mm ²)
w/o Wire Protection	n/a

Housings

Materials	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms	
> Single Locking Levers	C6, 12 Steel, Zinc or Chrome Plated
> Double Locking Levers	C6 Stainless Steel w/high impact Thermoplastic Split Grips
> Double Locking Levers	C12 Steel, Zinc or Chrome Plated
Temperature Range	-40°C/-40°F to +125°C/+257°F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



D Series

Specifications

DIN VDE 0627/86	DIN 43652
DDIN VDE 0110/02.79	
DIN VDE 0110-1/04.97	
IEC 60-664-1, DIN/IEC 512	

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	7, 8, 15, 25, 40, 50 (2x25) 64, 80 (2x40), 128 (2x64)
Working current	10A
Rated Voltage	600VAC
Test Voltage	4 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40°C/-40°F to +125°C/+257°F
Flammability	UL94 V-0

Contacts

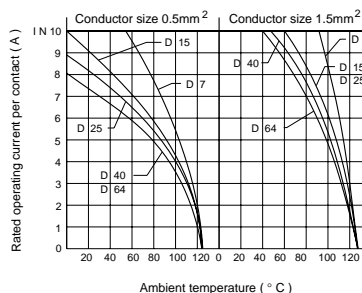
Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 3 milliohms
Crimp Terminals	Wire AWG
> Fibre Optic Cable	26-14 AWG (0.14-2.25mm ²) POF {0} 1MM

Housings

Materials	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms	
> Single Locking Levers	D7, 8, 15, 25, 40, 64, 128 Steel, Zinc or Chrome Plated
> Double Locking Levers	D40, 64 Stainless Steel w/ high impact Thermoplastic Split Grips
> Double Locking Levers	D50, 80 Steel, Zinc or Chrome Plated
Temperature Range	-40°C/-40°F to +125°C/+257°F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512



Pos-E-Kon™

Engineering Reference

DD Series

Specifications

DIN VDE 0627/86
 DIN VDE 0110/02.79
 DIN VDE 0110-1/04.97
 IEC 60-664-1, DIN/IEC 512

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	24, 42, 72, 108, 144 (2x72) 216 (2x108)
Working current	10A
Rated Voltage	600VAC
Test Voltage	2 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40°C/-40°F to +125°C/+257°F
Flammability	UL94 V-0

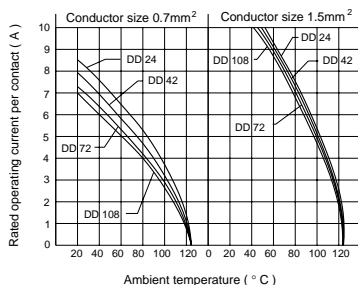
Contacts

Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 3 milliohms
Crimp Terminals	Wire AWG 26-14 AWG (0.14-2.5mm ²) POF (0) 1mm
> Fibre Optic Cable	

Housings

Materials	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms	
> Single Locking Levers	DD24, 42, 72, 108, 216 Steel, Zinc or Chrome Plated
> Double Locking Levers	DD42, 72, 108 Stainless Steel w/high impact Thermoplastic Split Grips
> Double Locking Levers	DD144 Steel, Zinc or Chrome Plated
Temperature Range	-40°C/-40°F to +125°C/+257°F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity



K Series

Specifications

DIN VDE 0627/86
 DDIN VDE 0110/4
 VDE 0100/5.73-42a
 IEC 60-664-1, DIN/IEC 512
 VDE 0113/1.73-10.1.3

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	8 (16A) + 4 (80A) 16 (16A) + 8 (80A)
Working current	16A and 80A dual
Rated Voltage	600VAC
Test Voltage	2 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40°C/-40°F to +125°C/+257°F
Flammability	UL94 V-0

Contacts

Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 1 milliohm
Screw Terminals	Wire AWG with Wire Protection (16A) (80A contacts)
	20-14 AWG (0.5-2.5mm ²) 18-4 AWG (1.5-16.0mm ²)

Housings

Materials	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms	
> Single Locking Levers	K12, K24 Steel, Zinc or Chrome Plated
> Double Locking Levers	K12 Stainless Steel w/ high impact Thermoplastic Split Grips
Temperature Range	-40°C/-40°F to +125°C/+257°F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

V Series

Specifications

DIN VDE 0627/86
 DIN VDE 0110/02.79
 DIN VDE 0110-1/04.97
 IEC 60-664-1, DIN/IEC 512

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	3, 6, 10, 16, 20 (2x10) 26 (10+16), 32 (2x16).
Working current	16A max.
Rated Voltage	600VAC, Switch contacts 400 VAC
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Glass Filled Thermoplastic
Temperature Range	-40°C/-40°F to +125°C/+257°F
Flammability	UL94 V-0

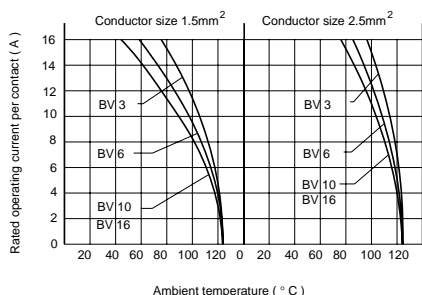
Contacts

Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 1 milliohm
Screw Terminals with Wire Protection	Wire AWG 20-14 AWG (0.5-2.5mm ²)
Crimp Terminals:	20-12 AWG (0.5-4.0mm ²)

Housings

Materials	Die Cast Aluminum alloy
(EPDM Seal Gaskets)	Epoxy Powder Coat Finish
Locking Mechanisms	
> Single Locking Levers	V3, 6, 10, 16, 20, 26, 32 Steel, Zinc or Chrome Plated
> Double Locking Levers	V3, 6, 10, 16 Stainless Steel w/high impact Thermoplastic Split Grips
Temperature Range	-40°C/-40°F to +125°C/+257°F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity



T Series

Specifications

DIN VDE 0627/86
 DDIN VDE 0110/02.79
 DIN VDE 0110-1/04.97
 IEC 60-664-1, DIN/IEC 512

Approvals



MEIE, EZU, SEV

Inserts

Contacts (+Ground)	6, 10, 16, 24
Working current	16A max.
Rated Voltage	600VAC, Switch contacts 400VAC
Test Voltage	3 kV eff.
Pollution Degree	3
Material	Hi-Temp Thermoplastic
Temperature Range	-40°C/-40°F to +200°C/+392°F
Flammability	UL94 V-0

Contacts

Material	Solid drilled Copper alloy
Surface	Hard Silver Plated Hard Gold Plated available
Contact Resistance	≤ 1 milliohm
Screw Terminals with Wire Protection	Wire AWG 20-14 AWG (0.5-2.5mm ²)

Housings

Materials	Copper-Free Die Cast Aluminum alloy
(Viton® Seal Gaskets)	Green Epoxy Powder Coating
Locking Mechanisms	
> Single Locking Levers	T6 Stainless Steel, Black Coated
> Double Locking Levers	T10, 16, 24 Stainless Steel, with High Temp Thermoplastic Grips
Temperature Range	-40°C/-40°F to +200°C/+392°F
Internal Protection	IP65 Locked Positions per DIN VDE 0470, IEC 529

Thermal Capacity

per DIN/IEC 512

