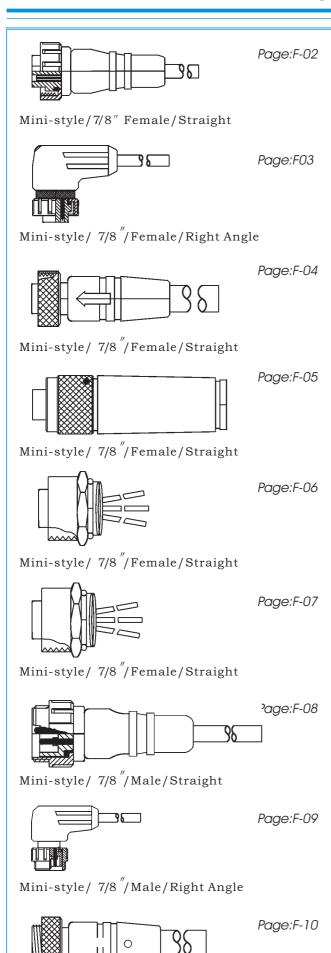
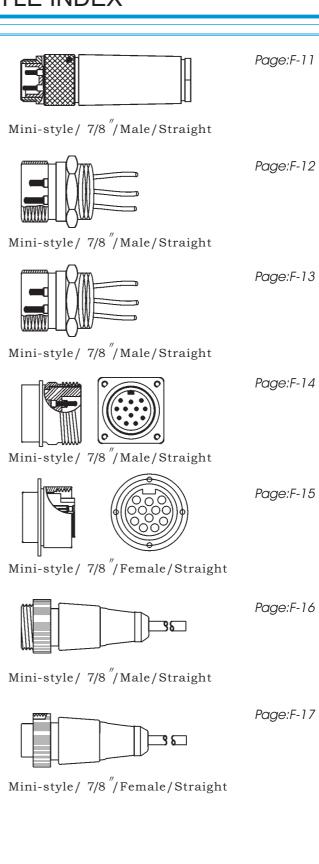
MINI-STYLE INDEX



Mini-style/ 7/8 // Male/Straight

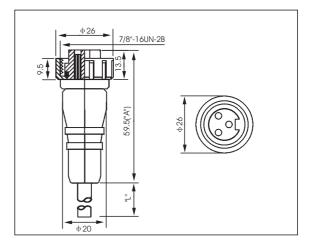


View



- Female Mini-style
 With locknut and moulded cable
- Orange

Dimensional data



Technical Data

Application Class: GNA acc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%)

Moulded Body: TPU, self-extinguishing
Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Body: TPU, self-extinguishing Contact: CuZn, 3 microns silver-pla

CuZn, 3 microns silver-plated and 0.25 microns gold-plated

Insertion Force/Contact: ≤ 3N

Withdrawal Force/Contact: ≥ 1N

Protection: IP 68 Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance : \leq 5m Ω

Test Voltage: 2+3poles, 2.5 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $> 10^{\circ}\Omega$ CSA certified: 219967

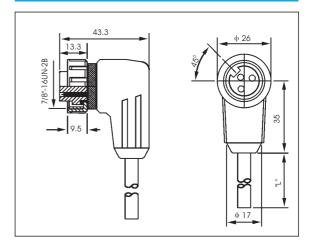
Catalog Number								
Part-No	Poles	Face View	Color code	Con	ductors	Out	er Jacket	
1 att-110	1 0103	female	Coloi Code	Guage	Stranding	φ mm	Material	
Z-FS2PAV012	2	© (° °) (°)	1=brown 2=blue	0.75mm²	22x∳0.20	6.8	PVC	
Z-FS3PAV032	3 000	1=brown 2=yellow/green 3=blue	0.75mm²	22×∳0.20	7.2	PVC		
Z-FS3PAV082/B	3	2	1=brown 2=black 3=blue	0.50mm²	16x∳0.20	6.3	1 00	
Z-FS4PAV422	4	© (°) (°) (°) (°) (°) (°) (°) (°) (°) (°)	1=brown 2=white 3=blue 4=black	0.50mm²	16 x⊕0.20	6.3	PVC	
Z-FS5PAV022	5	0 0 0 0 0	1=black 2=blue 3=yellow/green 4=brown 5=white	0.50mm²	16×∳0.20	6.8	PVC	

View



- Female Mini-style
- Right-angle style
- With screw-lock and moulded cable
- Orange

Dimensional data



Technical Data

Application Class: GNA acc. to DIN 40040

 $(-40 \ ^{\circ}\ /+90 \ ^{\circ}\ / \leqslant 100\%rF)$

Moulded Body: TPU,self-extinguishing
Nominal Power: 2+3poles 12A/ 4+5poles 9

Nominal Voltage: 250VAC

Body: TPU,self-extinguishing
Contact: CuZn,3 microns silver-plated

and 0.25 microns gold-plated

Insertion Force/Contact: \$\leq 3N\$

Withdrawal Force/Contact: ≥ 3N
Protection: IP 68
Water Pressure resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance: \leq 5m Ω

Test Voltage: 2+3poles,2.0 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $>10^9 \Omega$

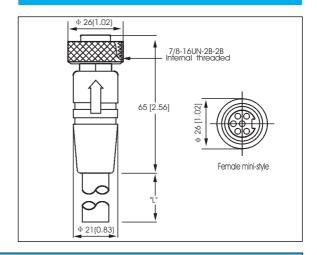
Catalog Number							
Part-No	Poles	Face View	Color Code	Conductors		Outer Jacket	
Part-NO	Poles	female	Coloi Code	Guage	Stranding	φmm	Material
Z-FA2PAV012	2	© © •	1=brown 2=blue	0.75mm²	22 x∳0.20	6.8	PVC
Z-FA3PAV032	3	3 ()	1=brown 2=yellow/green 3=blue	0.75mm²	22 хф0.20	7.2	PVC
Z-FA3PAV082/B	3		1=brown 2=black 3=blue	0.50mm ²	16x∳0.20	6.3	
Z-FA4PAV422	4	3 9 9	1=brown 2=white 3=blue 4=black	0.50mm ²	16x∳0.20	6.3	PVC
Z-FA5PAV022	5	© © @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @	1=black 2=blue 3=yellow/green 4=brown 5=white	0.50mm²	16хф0.20	6.8	PVC

View



- With locknut and moulded cable
- Orange

Dimensional data



Technical Data

Application Class: GNA acc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%)

Moulded Body: TPU, self-extinguishing
Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Body: TPU, self-extinguishing locking Nut: Nickel plated brass

Contact: CuZn, 3 microns silver-plated

and 0.25 microns gold-plated

Insertion Force/Contact: ≤ 3N

 $\begin{tabular}{ll} Withdrawal Force/Contact: $\geq 1N$ \\ Protection: & IP 68 \end{tabular}$

Water Pressure resistance: 10 bar
Insulation Group: C acc.to VDE 0110

Contact Resistance : $\qquad \leqslant \; \mathsf{5m} \; \Omega$

Test Voltage: 2+3poles,2.5 KV eff./60s./

4+5poles,1.5 KV eff./60s.

Insulation Resistance: $>10^9 \Omega$

CSA certified: 219967

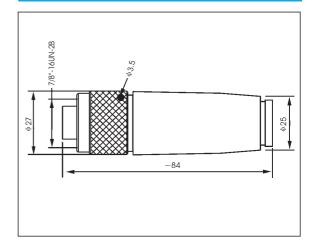
Catalog Number							
Part-No	Poles	Face View	Color Code	Con	ductors	Outer	Jacket
Part-NO	Poles	female	Color Code	Guage	Stranding	ф mm	Material
Z-FS2KAV012	2	© (o) (o)	1=brown 2=blue	0.75mm²	22×ф0.20	6.8	PVC
Z-FS3KAV082	3	① ③ ②	1=brown 2=black 3=blue	0.50mm²	16 хф0.20	6.3	PVC
Z-FS4KAV422	4	3 0 2	1=brown 2=white 3=blue 4=black	0.50mm²	16 хф0.20	6.3	PVC
Z-FS5KAV432	5	© @ @ O — ©	1=black 2=blue 3=yellow/ Green 4=brown 5=white	0.50mm ²	16 хф0.20	6.8	PVC
Z-FS6KAV442	6	3 2 0 0 0 0 0	1=black 2=blue 3=yellow 4=brown 5=white 6=green	0.50mm ²	16 x⊕0.20	6.8	PVC

View



- Convenient screw terminations
- Easy assembly for modification of existing installations
- Thread grommet sizes PG9 PG11,PG13.5,PG16
- Nylon molded connector shell

Dimensional data



Technical Data

Application Class: GNA acc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%rF)

Insert: TPU

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Body: PA6.6 self-extinguishing
Contact: CuZn,3 microns silver-plated

and 0.25 microns gold-plated

Insertion Force/Contact: ≤ 5N

Withdrawal Force/Contact: $\geq 3N$ O-Ring: NBR

Protection : IP 67(only in fully locked position)
Locknut: Steel, galvanized and chromated

 $\begin{array}{ll} \mbox{Mode of Connection:} & \mbox{Screw clamps} \\ \mbox{Contact Resistance:} & \mbox{\leq 5m$} \ \Omega \end{array}$

Test Voltage: 3poles,2.5 KV eff./60s./

4+5poles,1.5 KV eff./60s.

Insulation Resistance: $>10^{9} \Omega$ CSA certified: 219967

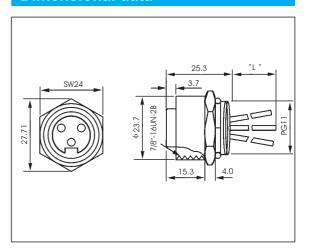
Catalog Number				
Part-No	Poles	Face View female	Max. Wire section (mm²)	Screw Joint for cable
Z-FS3KA/PG9				PG 9 ∳ 68 mm
Z-FS3KA/PG11	3		Mars 4.5 mars ²	PG 11 ∳ 810 mm
Z-FS3KA/PG13.5	3		Max. 1.5 mm²	PG 13.5 φ 1012 mm
Z-FS3KA/PG16				PG 16 φ 1214mm
Z-FS4KA/PG9		3 9 9	Max. 1.5 mm²	PG 9 ∳ 68 mm
Z-FS4KA/PG11	4			PG 11 φ 810 mm
Z-FS4KA/PG13.5	4			PG 13.5 φ 1012 mm
Z-FS4KA/PG16				PG 16 φ 1214 mm
Z-FS5KA/PG9				PG 9 φ 68 mm
Z-FS5KA/PG11	5	9 9	Max. 1.5 mm²	PG 11 Φ 810 mm
Z-FS5KA/PG13.5			Wax. 1.5 Hilli	PG 13.5 ф 1012 mm
Z-FS5KA/PG16				PG 16 ∳ 1214 mm

View



- Female Mini-style receptacle
- Front mounting , with wire ends
- Thread chassis side
 PG 11, screw Mounting
- From rear with nut RMF 11 (see page C-34)
- Solder contacts Potted with epoxy

Dimensional data



Technical Data

Application Class: GPD acc. to DIN 40040

(-40 ° /+90 ° / ≤ 100%)

Insert: TPI

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Receptacle Housing: Nickel plated brass

Contact: CuZn, 3 microns silver-plated

And 0.25 microns gold-plated

O-Ring: Cr,self-extinguishing

Insertion Force/Contact: ≤ 3N

Withdrawal Force/Contact: ≥ 1N

Protection: IP 68

Water Pressure resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance : $\leq 10 \text{m}\,\Omega$

Test Voltage: 2+3poles,2.5 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: > 10 °Ω CSA certified: 219967

Catalog Number Conductor Conductors **Face View** insulation Part-No **Poles** Color Code female Guage Stranding 2 0 1=brown 7 ESSENIO 5/DC11

Z-FS2FA/0.5/PG11	2	0	2=blue	0.75mm ²	8x ∳0.20	1.5
Z-FS3FA/0.5/PG11	3	0 0	1=brown 2=black 3=blue	0.75mm²	21x ∳0.20	1.8
Z-FS4FA/0.5/PG11	4	3 0 0 0 0 0 0	1=brown 2=white 3=blue 4=black	0.50mm²	16x Φ 0.20	1.8
Z-FS5FA/0.5/PG11	5	0 0 0 0 0 0 0	1=black 2=blue 3=yellow/green 4=brown	0.50mm ²	16x \oplus 0.20	1.8

Standard length: 2.0 m and 5.0 m. Other cable length or cable specifications on request.

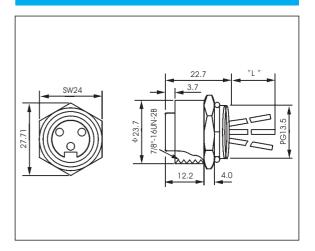
5=white

View



- Female Mini-style receptacle
- Front mounting
- With wire ends
- Thread chassis side PG13.5
- Screw mounting
- From rear with nut RMF13.5 (see page C-34)
- Solder contacts potted with epoxy

Dimensional data



Technical Data

Application Class: GPD acc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%rF)

Insert: TPU

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Receptacle Housing: Nickel plated brass

Contact: CuZn,3 microns silver-plated

And 0.25 microns gold-plated

O-Ring: Cr,self-extinguishing

 $\begin{tabular}{ll} Insertion Force/contact: $&\leqslant 3N$ \\ Withdrawal Force/Contact: $&\geqslant 1N$ \\ Protection: $&IP 68$ \\ Water Pressure Resistance: 10 bar \\ \end{tabular}$

Insulation Group: C acc.to VDE 0110

Contact Resistance: \leq 10m Ω

Test Voltage: 2+3poles,2.5 KV eff./60s./

4+5poles,1.5 KV eff./60s.

Insulation Resistance: $>10^9 \Omega$

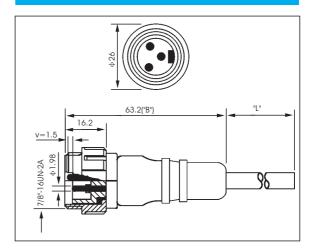
Catalog Number							
Part-No	Poles	Face View	Color Code	Cond	luctors	Conductor	
Part-INO	rules	female	00101 0000	Guage	Stranding	φ mm(single)	
Z-FS2FA/0.5/PG13.5	2		1=brown 2=blue	0.75mm²	21x∳0.20	1.8	
Z-FS3FA/0.5/PG13.5	3	0 3	1=brown 2=yellow/green 3=blue	0.75mm²	21x ∳ 0.20	1.8	
Z-FS3FA/0.5/PG13.5/B		(°) (2)	1=brown 2=black 3=blue				
Z-FS4FA/0.5/PG13.5	4	© (0) (0) (0) (0)	1=brown 2=white 3=blue 4=black	0.50mm²	16x∳0.20	1.8	
Z-FS5FA/0.5/PG13.5	5	3 3 4 0 9 9	1=black 2=blue 3=yellow/green 4=brown 5=white	0.50mm²	16хф0.20	1.8	
						1	

View



- Mini-style
- With locknut and moulded Cable ,orange

Dimensional data



Technical Data

Application Class: GNAacc. to DIN 40040

(-40 °C /+9 °C / ≤ 100%)

Moulded Body: TPU, self-extinguishing

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Contact: CuZn, 3 microns silver-plated

and 0.25 microns gold-plated

Body: TPU,self-extinguishing

Protection: IP 68 Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Test Voltage: 2+3poles, 2.5 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $> 10^9 \,\Omega$

CSA certified: 219967

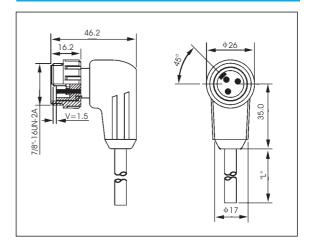
Polos	Face View	Color Codo	Cond	uctors	Outer	Jacket
Foles	male	Color Code	Guage	Stranding	φ mm	Material
2	② V	1=brown 2=blue	0.75mm²	22x∳ 0.20	6.8	PVC
2	300	1=brown 2=yellow/green 3=blue	0.75mm²	22x∳ 0.20	7.2	PVC
3	y 2	1=brown 2=black 3=blue	0.50mm²	16x∳ 0.20	6.3	
4	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	1=brown 2=white 3=blue 4=black	0.50mm²	16x∳ 0.20	6.3	PVC
5	V 3 2 3 0	1=black 2=blue 3=yellow/green 4=brown 5=white	0.50mm²	16хФ 0.20	6.8	PVC
	4	a male 2 3 4 V 3 V 3 V 3 V 3 V 3 A V 4 A V 3 A V 4 A V 4 A V 4 A V 4 A V 4 A V 4 A V 4 A V 4 A V 3 A V 4 A V 4 A V 4 A V 4 A V 4 A V 4 A V 4 A V A	2 1=brown 2=blue 1=brown 2=yellow/green 3=blue 1=brown 2=yellow/green 3=blue 1=brown 2=yellow/green 3=blue 1=brown 2=yellow/green 3=blue 1=brown 2=black 3=blue 1=brown 2=black 3=blue 1=brown 2=black 3=blue 1=brown 2=white 3=blue 3=blue 4=black 1=black 2=blue 3=yellow/green 4=brown	Poles male Color Code Guage 1=brown 2=blue 0.75mm² 1=brown 2=yellow/green 3=blue 0.50mm² 1=brown 2=black 3=blue 0.50mm² 1=brown 2=black 3=blue 0.50mm² 1=brown 2=black 3=blue 0.50mm² 1=brown 2=black 3=blue 0.50mm² 1=brown 2=white 3=blue 4=black 0.50mm²	Color Code Guage Stranding	Color Code Guage Stranding pmm

View



- Right-angle style
- With screw-lock and moulded cable
- Orange

Dimensional data



Technical Data

Application Class: GNA acc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%rF)

Moulded Body: TPU,self-extinguishing
Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Contact: CuZn,3 microns silver-plated

and 0.25 microns gold-plated

Body: TPU, self-extinguishing

Protection: IP 68 Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110
Test Voltage: 2+3poles,2.5 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $>10^9 \Omega$ CSA certified: 219967

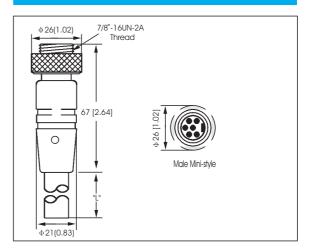
Dalaa	Face View	0-101-	Coi	nductors	Outer Jacket	
Poles	male	Color Code	Guage	Stranding	φmm	Material
2	② V O	1=brown 2=blue	0.75mm²	22хф0.20	6.8	PVC
2	3 <u>0</u>	1=brown 2=yellow/green 3=blue	0.75mm²	22x∳0.20	7.2	PVC
3	V 2	1=brown 2=black 3=blue	0.50mm ²	16x∳ 0.20	6.3	
4		1=brown 2=white 3=blue 4=black	0.50mm ²	16хф 0.20	6.3	PVC
5	(4) (3) (2) (6) (6) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	1=black 2=blue 3=yellow/green 4=brown 5=white	0.50mm ²	16хф 0.20	6.8	PVC
	4	Poles male 2 2 3 3 4 V 3 V	2 1=brown 2=blue 1=brown 2=yellow/green 3=blue 1=brown 2=black 3=blue 1=brown 2=white 3=blue 4=black 1=black 2=blue 4=black 1=black 2=blue 3=yellow/green 4=brown 1=brown 1=black 2=blue 3=yellow/green 4=brown 1=black 2=blue 3=yellow/green 4=brown 1=brown 1=black 2=blue 3=yellow/green 4=brown 1=brown 1=brown 1=black 2=blue 3=yellow/green 4=brown 1=brown 1=br	Poles male Color Code Guage 2	2 1=brown 2=blue 0.75mm² 22xφ0.20 3 1=brown 2=yellow/green 3=blue 0.50mm² 16xφ 0.20 4 2 4 2 4 1=brown 2=white 3=blue 4=black 3=yellow/green 3=yellow/green 4=brown 0.50mm² 16xφ 0.20 16xφ 0.20 5 4 3 2 2=blue 3=yellow/green 4=brown 4=brown 0.50mm² 16xφ 0.20 16xφ 0	Poles Face view male Color Code Guage Stranding φ mm 2 1=brown 2=blue 0.75mm² 22xφ0.20 6.8 3 1=brown 2=yellow/green 3=blue 0.75mm² 22xφ0.20 7.2 1=brown 2=black 3=blue 0.50mm² 16xφ 0.20 6.3 4 3=blue 0.50mm² 16xφ 0.20 6.3 5 4=black 2=blue 3=yellow/green 4=brown 0.50mm² 16xφ 0.20 6.8

View



- With locknut and Moulded cable
- Orange.

Dimensional data



Technical Data

Application Class: GNAacc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%)

Moulded Body: TPU, self-extinguishing

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Body: TPU, self-extinguishing locking Nut: Nickel plated brass

Contact: CuZn, 3 microns silver-plated and 0.25 microns gold-plated

Insertion Force/Contact: < 3N

Withdrawal Force/Contact: ≥ 1N Protection: IP 68

Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance: $\leq 5m\Omega$

Test Voltage: 2+3poles, 2.5 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $>10^9\Omega$

CSA certified: 219967

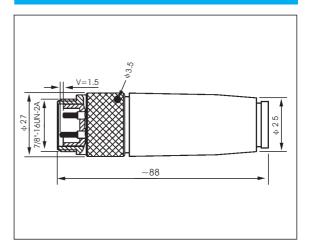
Catalog Number							
Dort No.	Poles	Face View	Color Code	Cond	ductors	Oute	r Jacket
Part-No	Poles	male	Color Code	Guage	Stranding	Φ mm	Material
Z-MS2KAV012	2	② • •	1=brown 2=blue	0.75mm²	22x \(\phi 0.20	6.8	PVC
Z-MS3KAV082	3	3 0	1=brown 2=black 3=blue	0.50mm²	16 x ∳ 0.20	6.3	PVC
Z-MS4KAV422	4	© 3 2 4	1=brown 2=white 3=blue 4=black	0.50mm²	16 x ⊕ 0.20	6.3	PVC
Z-MS5KAV432	5	4 3 2 5 0	1=black 2=blue 3=yellow/ green 4=brown 5=white	0.50mm ²	16 x ⊕ 0.20	6.8	PVC
Z-MS6KAV442	6	4 3 2 5 0	1=black 2=blue 3=yellow 4=brown 5=white 6=green	0.50mm ²	16 x ⊕ 0.20	6.8	PVC

View



- Mini-style
- With locknut

Dimensional data



Technical Data

Application Class: GPD acc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%rF)

Insert:

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

PA6.6 GV, self-extinguishing Body:

CuZn,pre-plated and Contact:

0.8 microns gold-plated

Insertion Force/Contact: ≤ 5N Withdrawal Force/Contact: ≥ 3N O-Ring:

Protection: IP 67(only in fully locked position) Locknut: Steel, galvanized and chromated

Mode of Connection: Screw clamps \leq 5m Ω Contact Resistance:

Test Voltage: 3poles, 2.5 KV eff./60s.

4+5poles, 1.5 KV eff./60s.

>10⁹Ω Insulation Resistance:

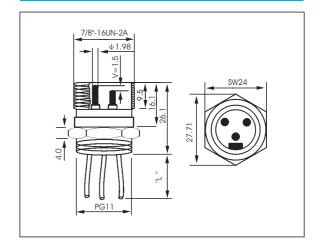
Catalog Number					
Part-No	Poles	Face View male	Max. Wire section mm²	Screw Joint for cable	
Z-MS3KA/PG9		3			PG 9 ф 68 mm
Z-MS3KA/PG11	2		max. 1.5 mm²	PG 11	
Z-MS3KA/PG13.5	3		IIIda. 1.5 IIIIII	PG 13.5 ф 1012 mm	
Z-MS3KA/PG16				PG 16 ф 1214 mm	
Z-MS4KA/PG9		© © © Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	max. 1.5 mm²	PG 9 ф 68 mm	
Z-MS4KA/PG11	4			PG 11	
Z-MS4KA/PG13.5				PG 13.5 ф 1012 mm	
Z-MS4KA/PG16		-		PG 16 ∳ 1214mm	
Z-MS5KA/PG9				PG 9 Ф 68 mm	
Z-MS5KA/PG11	5	V (1) (3) (4) (2)	max. 1.5 mm²	PG 11 ф 810 mm	
Z-MS5KA/PG13.5	3	₅ 0		PG 13.5 ф 1012 mm	
Z-MS5KA/PG16				PG 16 ф 1214 mm	
S	Standard lengtl	h: 2.0 m and 5.0 m. Other cable	length or cable specifications on requ	iest.	

View



- Mini-style receptacle
- Front mounting, with wire ends
- Thread chassis side
 Pa 11
- Screw mounting from rear
- With nut RMF11 (see page C-34)
- Solder contacts potted with epoxy

Dimensional data



Technical Data

Application Class: GPD acc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%)

Insert: TPU

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Receptacle Housing: Nickel plated brass

Contact: CuZn, 3 microns silver-plated and 0.25 microns gold-plated

O-Ring: Cr, self-extinguishing

Protection: IP 68

Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance: $\leq 10 \text{m}\Omega$

Test Voltage: 2+3poles,2.5 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $>10^9 \Omega$

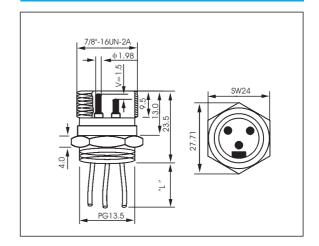
Catalog Number						
Part-No	Poles	Face View	Color Code	Cond	ductors	Conductor insulation
Tarrivo	1 0103	male	Coloi Code	Guage	Stranding	φmm(single)
Z-MS2FA/0.5/PG11	2	© •	1=brown 2=blue	0.25mm²	8×∳0.20	1.5
Z-MS3FA/0.5/PG11	3	3	1=brown 2=black 3=blue	0.75mm²	21×∳0.20	1.8
Z-MS4FA/0.5/PG11	4	© 3 0 0	1=brown 2=white 3=blue 4=black	0.50mm ²	16×40.20	1.8
Z-MS5FA/0.5/PG11	5	4 3 0 3 0 0	1=black 2=blue 3=yellow/green 4=brown 5=white	0.50mm ²	16×ф0.20	1.8

View



- Mini-style receptacle
- Front mounting, with wire ends
- Thread chassis side PG13.5
- Screw mounting from rear
- With nut RMF 13.5 (see page C-34)
- Solder contacts potted with epoxy

Dimensional data



Technical Data

Application Class: GPD acc. to DIN 40040

 $(-40 \ ^{\circ}\text{C} \ /+90 \ ^{\circ}\text{C} \ / \leqslant 100\%rF)$

Insert: TPU

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Receptacle Housing: Nickel plated brass

Contact: CuZn,pre-plated and 0.8 microns gold-plated

O-Ring: Cr,self-extinguishing

Protection: IP 68

Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance: \leq 10m Ω

Test Voltage: 2+3poles,2.0 KV eff./60s./

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $>10^9 \Omega$

Catalog Number		Face View		Cond	ductors	Conductor	
Part-No	Poles	male	Color Code	Guage	Stranding	insulation	
Z-MS2FA/0.5/PG13.5	2	② • •	1=brown 2=blue	0.25mm²	8x	1.5	
Z-MS3FA/0.5/PG13.5	3	3 0	1=brown 2=yellow/green 3=blue	0.75mm²	21x ∳0.20	1.8	
Z-MS3FA/0.5/PG13.5/B	3	② ②	1=brown 2=black 3=blue				
Z-MS4FA/0.5/PG13.5	4	① ③ ③ ② ④	1=brown 2=white 3=blue 4=black	0.50mm ²	16 ×∳ 0.20	1.8	
Z-MS5FA/0.5/PG13.5	5	4 3 2 5 0	1=black 2=blue 3=yellow/green 4=brown 5=white	0.50mm²	16 ×ቀ 0.20	1.8	

View

Dimensional data 30.0 24.0 0.0 24.0 0.0 4-M2.5 x 0.45

Description

Mini Connectors for Z-FS12KAA612

Technical Data

1.Application Class: -40 ℃ to +90 ℃

2.Materials:

Body: PUR (Polyurethane), Yellow
Contact: Brass, gold over nickel plating
Coupling Nut: Nickel plated brass

Insert: PUR (Polyurethane), Yellow

3. Electrical Data:

 $\begin{array}{lll} \mbox{Contact Resistance:} & \leq 5 m \Omega \\ \mbox{Current Rating:} & 7 \mbox{A} \\ \mbox{Working Voltage:} & 600 \mbox{VAC} \\ \end{array}$

Dielectric Withstanding

Voltage:

2 kVAC RMS/60sec

Insulation Resistance: $>10^9 \Omega$

4. Mechanical Data:

Insertion Force

(contact): \leq 3.0N (.67LBS)

Withdrawal Force (contact):

Protection:

≥ 1.0N (.22LBS)

IP68(only in fully locked position)

Shock: IEC-68-2-27 Vibration: IEC-68-2-6

5. CE Conformity with Standards:

EN50082-1, EN50082-2 and IEC60947-5-2

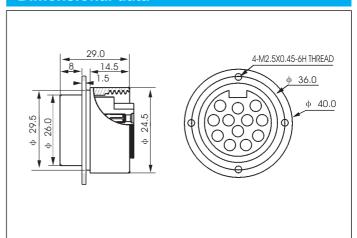
Part Number	Face View of Male Plug	Poles	Screw Joint for Cable			
Z-MS12FA/A24	S12FA/A24		11/8"-16			
xx-Standard cable available in 2-meter(2) 5-meter(5),and 10-meter.						

xx-Standard cable available in 2-meter(2) 5-meter(5), and 10-meter. Other cable length or cable specifications on request.

View



Dimensional data



Description

Mini Connectors for Z-MS12KAA612

Technical Data

1.Application Class: -40 °C to +90 °C

2.Materials:

Body: PUR (Polyurethane), Yellow
Contact: Brass, gold over nickel plating
Coupling Nut: Nickel plated brass

Insert: PUR (Polyurethane), Yellow

3. Electrical Data:

 $\begin{array}{ll} \text{Contact Resistance:} & \leqslant 5 \text{m} \Omega \\ \text{Current Rating:} & 7 \text{A} \\ \text{Working Voltage:} & 600 \text{VAC} \end{array}$

Dielectric Withstanding

Voltage:

2 kVAC RMS/60sec

Insulation Resistance: $>10^9 \Omega$

4. Mechanical Data:

Insertion Force

(contact): \leq 3.0N (.67LBS)

Withdrawal Force (contact):

Protection:

≥ 1.0N (.22LBS)

IP68(only in fully locked position)

Shock: IEC-68-2-27 Vibration: IEC-68-2-6

5. CE Conformity with Standards:

EN50082-1, EN50082-2 and IEC60947-5-2

Part Number	Face View of Female Plug	Poles	Screw Joint for Cable				
Z-FS12FA/C23		12	11/8"-16				
yy Standard cable available in 2 mater(2) E mater(E) and 10 mater							

xx-Standard cable available in 2-meter(2) 5-meter(5), and 10-meter.

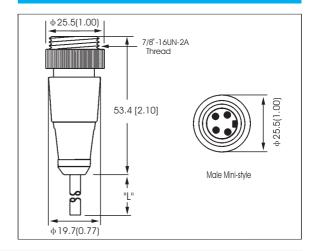
Other cable length or cable specifications on request.

View



- With locknut and Moulded cable
- Yellow
- Male Mini-style

Dimensional data



Technical Data

Application Class: GNAacc. to DIN 40040

(-40 °C / +90 °C / ≤ 100%)

Moulded Body: TPU, self-extinguishing
Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Body: TPU, self-extinguishing Locking Nut: Painting Aluminum

Contact: CuZn, 3 microns silver-plated and 0.25 microns gold-plated

Insertion Force/Contact: ≤ 3N

Withdrawal Force/Contact: \geqslant 1N

Protection: IP 68 Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance: \leq 5m Ω

Test Voltage: 2+3poles, 2.5 KV eff./60s.

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: $>10^9$ Ω

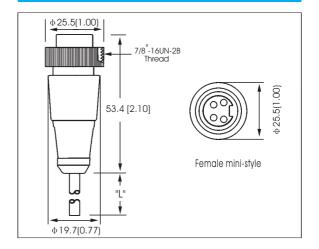
Catalog Number							
Part-No	Poles	Face View male	Color Code	Conductors		Outer Jacket	
				Guage	Stranding	φ mm	Material
Z-MS4KAY762	4	(1) (3) (2) (4)	1=brown 2=white 3=blue 4=black	0.34mm²	26 × ⊕0.13	5.3	PUR
Standard length, 2.0 m and 5.0 m. Other cable length or cable appairing an request							

View



- With locknut and Moulded cable
- Yellow
- Female Mini-style

Dimensional data



Technical Data

Application Class: GNAacc. to DIN 40040

(-40 °C /+90 °C / ≤ 100%)

Moulded Body: TPU, self-extinguishing

Nominal Power: 2+3poles 12A/ 4+5poles 9A

Nominal Voltage: 250VAC

Body: TPU, self-extinguishing
Locking Nut: Painting Aluminum

Contact: CuZn, 3 microns silver-plated and 0.25 microns gold-plated

Insertion Force/Contact: ≤ 3N

Withdrawal Force/Contact: ≥ 1N

Protection: IP 68
Water Pressure Resistance: 10 bar

Insulation Group: C acc.to VDE 0110

Contact Resistance: \leqslant 5m Ω

Test Voltage: 2+3poles, 2.5 KV eff./60s.

4+5poles, 1.5 KV eff./60s.

Insulation Resistance: >10 ⁹Ω

CSA certified: 219967

Catalog Number							
Part-No	Poles	Face View male	Color Code	Conductors		Outer Jacket	
				Guage	Stranding	φ mm	Material
Z-FS4KAY762	4	3 (1) (2) (2)	1=brown 2=white 3=blue 4=black	0.34mm²	26 × ⊕0.13	5.3	PUR