

igus[®] connectors SERIES A

according to Intercontec standard

Signal connector M23 standard [6 to 19-pin]

Types

- Connector, standard and push-pull version, angular connector
- Lead-through
- Extension, standard or with central attachment
- PG 13.5-installation box
- Installation box straight with flange
- Installation box angled and turnable flexed with flange

Number of contacts

- 6, 7, [8+1], 9, 10, 12, 16, 17, [16+3]

Technical data of the SERIES A

Temperature range	-20 °C to 130 °C
Protection class	IP 66/67 [plugged]

Electrical data 6 to 12-pin

Max. rated current	10 A
Rated voltage	160 V (AC/DC)
Test voltage (L-L)	2500 V
Resistance	< 5 mΩ
Insertion cycles	> 50

Electrical data 16 to [16+3]-pin

Max. rated current	9 A
Rated voltage	125 V (AC/DC)
Test voltage (L-L)	2500 V
Resistance	< 5 mΩ
Insertion cycles	> 50

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of pollution	3
Over-voltage category	III
Max. height of operation	2000 m






Used materials

Housing	Zinc die-casting/brass, nickel-plated
Connection nut	Brass, nickel-plated
Insulation insert	PA 6.6/PBT, UL 94/V0
Contacts	Brass, gold-plated
Seals	FPM/HNBR
Clamping ring	Brass, nickel-plated

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www.igus.eu/quickpin
igus[®] QuickPin – Configure ready cable[®] online

<p>Signal plug 8+1 pin, nickel-plated Order no. MAT0179600</p>	<p>P-Type [8+1]-pin, 3 coding slots</p>	<p>8 x female crimping contact 1.0 mm, slitted crimp area: 0.14-1.0 mm², 1 x female crimping 2.0 mm, slitted crimp area: 0.35-2.5 mm²</p>	<p>Crimp area: 9.0-13.2 mm</p>	<p>Metal construction, EMC shielding  C1+4</p>
<p>Signal plug 12 pin, nickel-plated Order no. MAT0179601</p>	<p>E-Type 12-pin, 3 coding slots</p>	<p>Female crimping contact 1.0 mm, slitted crimp area: 0.14-1.0 mm²</p>	<p>Crimp area: 9.0-13.2 mm</p>	<p>Metal construction, EMC shielding  C1</p>
<p>Signal plug 16 pin, nickel-plated Order no. MAT0179602</p>	<p>P-Type 16-pin, 1 coding slot</p>	<p>Female crimping contact 1.0 mm, slitted crimp area: 0.14-1.0 mm²</p>	<p>Crimp area: 9.0-13.2 mm</p>	<p>Metal construction, EMC shielding  C1</p>
<p>Signal plug 17 pin, nickel-plated Order no. MAT0179603</p>	<p>P-Type 17-pin, 3 coding slots</p>	<p>Female crimping contact 1.0 mm, slitted crimp area: 0.14-1.0 mm²</p>	<p>Crimp area: 9.0-13.2 mm</p>	<p>Metal construction, EMC shielding  C1</p>
<p>Signal plug 16+3 pin, nickel-plated Order no. MAT0179604</p>	<p>P-Type [16+3]-pin, 1 coding slot</p>	<p>16 x female crimping contact 1.0 mm, slitted crimp area: 0.14-1.0 mm², 3 x female crimping 0,5 mm, slitted crimp area: 0.14-1.0 mm²</p>	<p>Crimp area: 9.0-13.2 mm</p>	<p>Metal construction, EMC shielding  C1+5</p>

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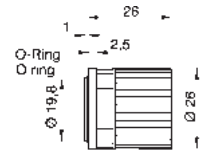
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igus® connectors SERIES A

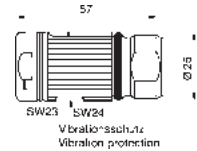
according to Intercontec standard




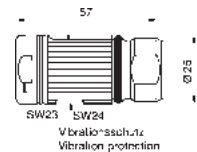
The straight signal receptacle is assembled with the contacts and insulation bodies.
The technical specifications apply accordingly. A cable clamp is not required by virtue of the design.




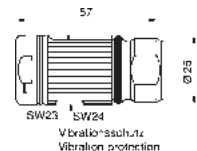
Lead-through, with connection nut Order no. 8+1 pin MAT0179605				Metal construction, axial seal	
Order no. 12 pin MAT0179606					C1
Order no. 16 pin MAT0179607					C1
Order no. 17 pin MAT0179608					C1
Order no. 16+3 pin MAT0179609					C1+5




Signal extension 8+1 pin, nickel-plated Order no. MAT0179610	E-Type [8+1]-pin, 3 coding slots	8 x crimping contact 1.0 mm, crimp area: 0.14-1.0 mm ² 1 x crimping contact 2.0 mm, crimp area: 0.35-2.5 mm ²	Crimp area: 9.0-13.2 mm	Metal construction, EMC shielding	
					C1+4

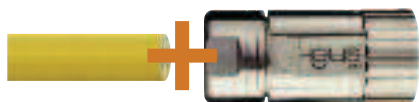






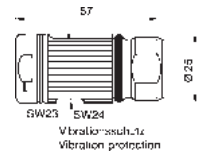
Signal extension 12 pin, nickel-plated Order no. MAT0179611	P-Type 12-pin, 3 coding slots	Crimping contact 1.0 mm, crimp area: 0.14-1.0 mm ²	Crimp area: 9.0-13.2 mm	Metal construction, EMC shielding	
					C1



Signal extension 16 pin, nickel-plated Order no. MAT0179612	E-Type 16-pin, 1 coding slot	Crimping contact 1.0 mm, crimp area: 0.14-1.0 mm ²	Crimp area: 9.,0-13.2 mm	Metal construction, EMC shielding	
					C1

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Signal extension 17 pin, nickel-plated
Order no. **MAT0179613**

E-Type 17-pin, 3 coding slots

Crimping contact 1.0 mm, crimp area: 0.14-1.0 mm²

Crimp area: 9.0-13.2 mm

Metal construction, EMC shielding

C1







Signal extension 16+3 pin, nickel-plated
Order no. **MAT0179614**


E-Type [16+3]-pin, 1 coding slot

16 x crimping contact 1.0 mm, crimp area: 0.14-1.0 mm²
3 x crimping contact 0,5 mm, crimp area: 0.14-1.0 mm²

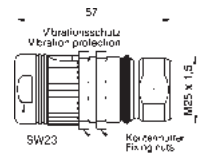
Crimp area: 9.0-13.2 mm

Metal construction, EMC shielding

C1+5



The extension with a central attachment is assembled with the above-mentioned contacts, insulation bodies and cable clamp.
The technical specifications apply accordingly.



Extension with central attachment				Metal construction, EMC shielding	C1+4
Order no. 8+1 pin					C1
Order no. 12 pin					C1
Order no. 16 pin					C1
Order no. 17 pin					C1
Order no. 16+3 pin					C1+5

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