

New Power in M23 Size

Product Launch of the M23 Power Circular Connector forming the SF Series

Effective immediately, the power connector (socket) of the SF product series from CONINVERS is available in either 6 (5+PE) and 8 (4+3+PE) pole configurations.

Product Codes

Short version (Shell style 8):

6-pos. (5+PE) **SF-5ES1N8A80DU**

8-pos. (4+3+PE) **SF-7ES1N8A80DU**

Long version (Shell style 8L):

6-pos. (5+PE) **SF-5ES1N8A8LDL**

8-pos. (4+3+PE) **SF-7ES1N8A8LDL**

The current Coninvers SC product series complements the new SF series with respect to flanges and wall bushings.

Documentation

- New **Catalog Power Connectors**; Edition 06/02, available calendar week 27.
- **Product Flyer M23 Power Connectors Series SF**, available calendar week 28. (also downloadable via the Coninvers home page www.coninvers.com under the Menu "News").
- **Press Release Information** "New M23 Power Connectors." (also downloadable via the Coninvers home page www.coninvers.com under the Menu "News").



New M23 Power
Connectors Series SF

Promotion Activities

- **Advertisement:**
 - Ads in Technical Magazines
 - Sampling
 - Mailing Action
 - Support of Sales Partners
- **Product Training:**
 - Presentation Material
 - Technical Article (under preparation)
 - Customer visits (effective immediately)

Targeted Markets

- Maintenance of existing SC customers
- Replacement of competitive products (Size 1 connectors) in existing design sockets
- New customers in the main stream market "Industrial Automation"
- New customers in new markets, i.e. construction equipment or wind driven power stations

Competitive Products

- Size 1 connectors from: Intercontec Pfeiffer, Hypertac Interconnectron, Contact, Hummel

Features	Advantages	Benefits
Compatible competitive products in the market place	Replace competition	Access to sizeable market potential
2 versions, long and short	In adjustment to the application (wire size, wire space, match with signal connector), Shorter than competitive products despite having more wire space available	Cost Marketing argument Better than any competition
Design	Appealing appearance, looks known and trustworthy Good match with UC series	Riskless, no creations of objections Visable difference to signal connectors
Metal material	Robust housing Shielding provided High to very high cable pull out forces	Wide spread applications
Design and size of the coupling nut	Good grip, more space for handling A tool for fastening could be used Design differentiator to other series	Easier to handle Feedback when the end position is reached No mix up with signal connectors
Few number of parts (5)	Easier to handle	Cost / competitiveness
Most parts are for both versions, long and short	Price segmenation	Improve profit margins
No liquid nests around the sealing ring possible	Sealed against liquids even when the cable is moved around	No failures because of water migrating inside the connector
High electrical power transmission performance	Higher rating than HC (Hypertac) contacts	Wider spread applications Cost savings
Cover spring used with socket contact	Vibration stability High current ratings, see derating curve Low number of crimp ranges	No reason anymore to use HC socket contacts (only 1 supplier) Broader applications scope Logistics, costs

Features	Advantages	Benefits
Turned crimps for all contacts instead of using stamped open B crimps (AMP crimps)	Lower resistance Circularity of crimps is assured Market available crimp tools and positioners often already in use at customers	Lower power dissipation Side clipping always possible Reduced logistics cost
HC contacts can be used alternatively	Customer can continue to use the HC sockets if he wants to do so	Options available to customers
Same type of crimp tools as offered by the competition	Customer can continue to use available tools	Cost savings Logistics savings
Open insulation body allows side clipping of sockets	Simple to handle Marked position of PE socket Improved accessibility by providing sideclipping technology Visual check of proper assembly	Time savings Less failures during assembly
High pull out forces of the contacts	No mal functions anymore	High functional stability
High contact overlap margin	Contact security Vibration stability Current rating	High functional stability
Shielding direct on housing shell	Less piece parts needed for the connector 360° shielding Simpler shield splicing process	Cost savings Functional stability Time savings
No shield braid cut necessary	No tools required at field assembly	Time savings
Simple cable assembly instruction	Intuitively guided as only a few piece parts involved Optical check	Time savings in the field Less failures
Long free wire length	Easier to handle	Significant time savings during assembly
Sealing rings of fixed sizes available	Beside the onion ring sealing rings of different sizes cover the entire clamp range Avoid mishandling occurring with the onion ring handling	Time savings Less failures
No assembly tools required for contacts and contact inserts assembly and disassembly	No special tools required	Time savings in the field Simpler logistics
According to VDE 0627	VDE,UL certification planned	All known applications of existing projects are potentially accessible