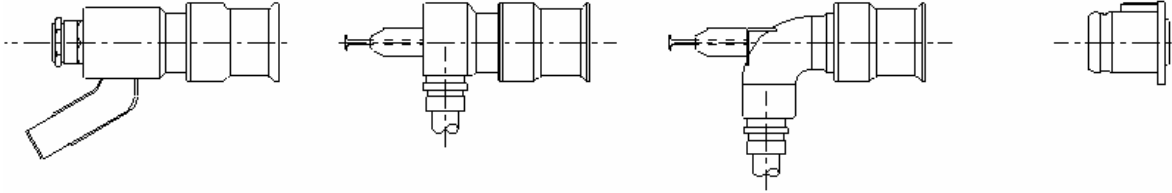




Radiation Tolerant Non Compliant Connectors Data Sheet



- 1
Straight Entry Socket

- 2
Right Angle Socket

- 3
Alternative Right Angle Socket

- 4
Mating Bulkhead
S20 Welded = 129/12/003-1
S20 Flanged = 129/12/003-4
S22 Welded = 129/12/010-1
S22 Flanged = 129/12/010-4

Radiation tolerant to 10⁸ Rads

Stainless steel housing

Waterproof to IP 66

Keyed to prevent incorrect connections

Alternate insert types can be incorporated

Part of a range of products designed for use by MSMs

Adopted by Sellafield Ltd as an Intermediate Level Waste (ILW) standard product

Operating Voltage: 700 VDC/500 AC Vrms

Test Voltage: 2000 AC Vrms

Ordering Code

Secondary Key Position if Required

129/12/xxx - 1

A

S - (K1 to K13) - M25

Gland Thread Size

Type and Size of Coupler Connector
003 = Size 20, 031 = Size 22

S = Socket Contacts: P = Pin Contacts

Contact Code

- 1 = Straight Entry Socket
- 2 = Right Angle Socket
- 3 = Alternative Right Angle Socket

Insert Type	No. of Ways	Contacts	Contact Code
22-14	19	19 x 16 awg	C
22-19	14	14 x 16 awg	B
22-22	4	4 x 8 awg	A
20-29	17	17 x 16 awg	F
20-27	14	14 x 16 awg	E
20-33	11	11 x 16 awg	D
20-16	9	7 x 16 awg	C
		2 x 12 awg	
20-17	6	1 x 16 awg	B
		5 x 12 awg	
20-4	4	4 x 12 awg	A

Contact Size	Max Current	Available Crimp Bucket Sizes (Std Underlined)
16	22 amps	16-12, <u>16-16</u> , 16-20
12	41 amps	<u>12-12</u> , 12-16
8	74 amps	<u>8-8</u>

Size 28 Non Compliant Connector	
129/12/032-1	Bulkhead Mounting Plug
129/12/032-2	In-line Socket
129/12/032-3	Right Angle Socket
12/12/032/4	Alternative Right Angle Socket

Insert Type	No. of Ways	Contacts	Contact Code
28-51	12	12 x 12 awg	C
28-12	26	26 x 16 awg	B
28-21	37	37 x 16 awg	A



BS EN ISO 9001 Certificate No. 1754

Ennerdale Mill Business Park, Egremont, Cumbria, CA22 2NL
Tel (0) 1946 823502 Fax (0) 1946 821065

A subsidiary of James Fisher and Sons Public Limited Company

Registered Number 5165202

Vat Registration Number 154552370

Registered Office Fisher House Michaelson Road Barrow-in-Furness Cumbria LA14 1HR