

# RADIATION TOLERANT 30MM CONNECTORS 12 CONTACTS

**James Fisher**  
Nuclear



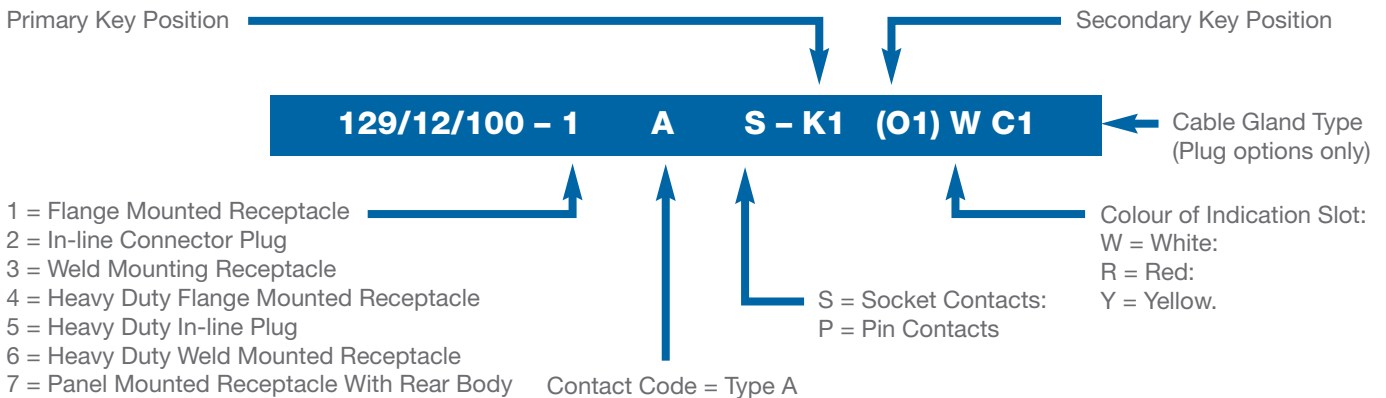
Document: JFN-129-008

Issue: version 1

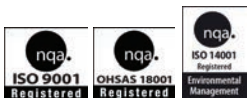


- Connector inserts are made from PEEK giving a radiation tolerance of 1000 MRads
- Designed for use by manipulators to prevent potential damage to pins or sockets due to mishandling during connection i.e. 'scoop proof'
- Stainless steel housing
- Waterproof to IP 66
- Internal and external (optional) keying provides 96 unique key arrangements
- Part of a range of products designed for use by large power manipulators and MSMs
- Adopted by Sellafield Ltd as an Intermediate Level Waste (ILW) standard product

## ORDERING CODE



Item	Value/Rating	Notes
Nominal size	30 mm diameter	
No. of contacts	12	
Voltage rating	500 VAC/700 VDC	
Current rating	16A/13A	
Insulation class	Group C (VDE 0110)	
Ambient temperature	+60° C maximum	
Protection rating	IP66 (mated)	
Wire size	0.14 to 2.5 mm <sup>2</sup>	
Connection type	Crimp	
Contact material	Copper alloy/Silver plated Copper alloy/Gold plated	
Primary (internal) keying	1 to 4	
Secondary (external) keying	01 to 24	
<b>Cable Gland Size Options</b>		
C = Standard Cable Gland	C1 / S1 3.0 to 6.0 mm	<b>E0 / R0 3.0 to 4.5 mm</b>
E = EMC Cable Gland	C2 / S2 6.0 to 9.0 mm	E1 / R1 4.5 to 6.0 mm
S = Standard Strain Relief	C3 / S3 9.0 to 12.5 mm	E2 / R2 6.0 to 9.0 mm
R = EMC Strain Relief	C4/S5 11.5 to 15.0 mm	E3 / R3 9.0 to 12.5 mm
	C5/S5 15.0 to 18.5 mm	E4 / R4 12.5 to 15.0 mm
		E5 / R5 15.0 to 18.5 mm
		Standard Recommended below 5V/5mA



[www.jfnl.co.uk](http://www.jfnl.co.uk)

James Fisher Nuclear Limited is registered in Scotland No.: SC204768 North Meadows, Oldmeldrum, Inverurie, Aberdeenshire, AB51 0GQ  
 James Fisher Nuclear Limited is a subsidiary of James Fisher and Sons plc