



Overview

The FAKRA rear mount bulkhead plug is designed to support industry standard automotive cable types which offer reliable mechanical and electrical performance. These FAKRA plugs are color-coded and mechanically keyed for easy installation and are available in a variety of key codes including the universal Z code.

This plug is a compact and secure connector that offers reliable RF performance up to 6 GHz. Its design allows for mounting on panels and enclosure walls, ensuring maximum stability. These features make the FAKRA bulkhead plug ideal for the automotive and industrial automation industries.

These connectors are part of a robust portfolio of FAKRA products suitable for applications such as sensor integration, antenna connectivity and vehicle communication networks.

Features and Benefits

- Reliable electrical performance up to 6 GHz
- Waterproof IP67 configuration
- Ruggedized construction
- Push-on coupling for quick and easy mating

Applications

- GPS
- Satellite Communication
- ADAS
- Machine-to-Machine Communication
- Telematics
- Remote Monitoring

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

Ordering Information

FAKRA Rear Mount Bulkhead Straight Crimp Plug, IP67

Part Number	Description
2FA1-NXSP-C30E2	FAKRA Rear Mount Bulkhead Straight Crimp Plug, TFC 302LL
2FA1-NXSP-C01E2	FAKRA Rear Mount Bulkhead Straight Crimp Plug, RG-174
2FA1-NXSP-C04E2	FAKRA Rear Mount Bulkhead Straight Crimp Plug, RG-58
2FA1-NZSP-C19E1	FAKRA Rear Mount Bulkhead Straight Crimp Plug, LMR-195

Note: 'X' denotes color code. See FAKRA/USCAR mechanical coding chart below for available key codes.

FAKRA/USCAR MECHANICAL CODING

	Jack	Plug	RAL	Color	Application
A			9005	●	Jet Black DAB/AM-FM
B			9001	●	Cream DAB with Power / AM-FM
C			5005	●	Signal Blue GPS
D			4004	●	Claret Violet Cellular Phone
E			6002	●	Leaf Green TV / SDARS Terrestrial
F			8011	●	Nut Brown TV / SDARS Terrestrial / Camera
G			7031	●	Blue Grey SDARS Terrestrial
H			4003	●	Heather Violet GPS Navigation
I			1001	●	Beige Bluetooth / VPM
K			1027	●	Curry SDARS Satellite AM-FM
Z			5021	●	Water Blue Universal (Neutral) Code

Amphenol® RF

Technical Specifications

Electrical

Impedance	50Ω
Frequency Range	DC - 6 GHz
Dielectric Withstanding Voltage	800 VRMS Min
VSWR	1.23 Max

Environmental

Temperature Range	-40°C to +100°C
RoHS Compliance	Compliant with Exemption 6C

Mechanical

Mating Cycles	100 Min
Coupling Mechanism	Threaded

Materials

Body	Zinc Alloy, Nickel Plating
Contact	Brass, Beryllium Copper, Gold Plating
Insulator	PTFE, Natural

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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