



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-C01E1 | FAKRA Rear Mount Bulkhead Straight Crimp Plug, RG-178 |
| 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-NXSP-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.

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

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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