

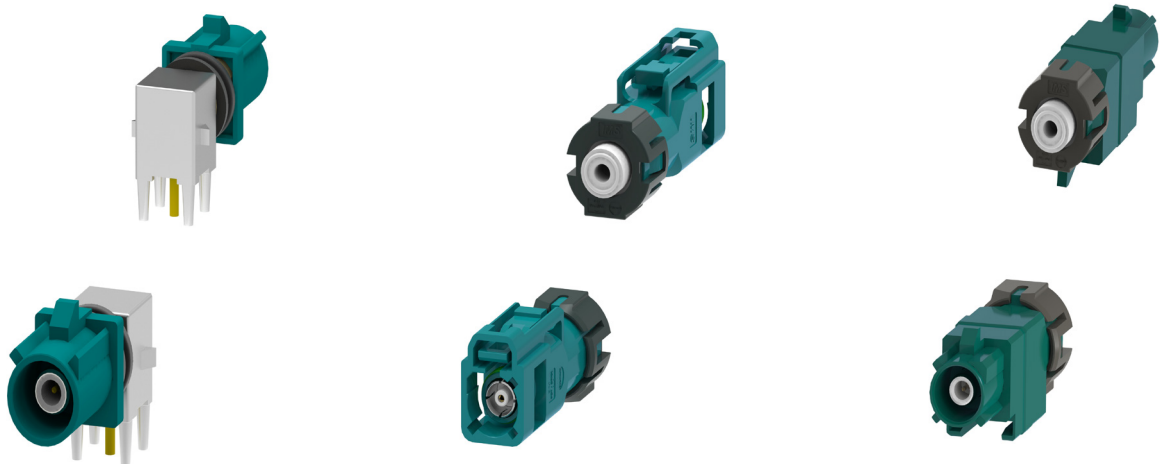
PRELIMINARY  
INFORMATION



# WATERPROOF FAKRA CONNECTOR

IP67 & IP69K\* (in mated condition and with suitable counterpart)

- » Excellent interconnection security
- » Reliable waterproof design
- » Superior RF performance up to 6 GHz
- » Completely compatible interconnection
- » Available for cable RG 174 / RG 316 / RTK 031 and 90° PCB Type






**IMS** CONNECTOR  
SYSTEMS

\*final validation is ongoing

# Waterproof Fakra Connector








## Product portfolio

	Picture	Pole	Description	Cable Type	CPA	Clipslot	Part number (P/N)	Packaging	Plating
HEADER TYPES		1	Jack Cable mount straight	RG 174/RG 174LL/RG 316 RTK 031	NO NO		7858.SMBA.2X10.029 7858.SMBA.2X10.039	Bulk	9=Ni
		1	PLUG Cable mount straight	RG 174/RG 174LL/RG 316 RTK 031		YES:7mm YES:7mm	7859.SMBA.1X10.029 7859.SMBA.1X10.039	Bulk	9=Ni
		1	PCB PLUG right angle			-	7510.SMBA.1X20.009	Tray	9=Ni

## Coding

Replace the X in the P/N for your required coding. Available codings\*:

\*Further codings on request.

						
A	B	C	D	E	F	Z
Jet black	Cream	Light blue	Claret violet	May green	Nut brown	Water blue



The waterproof FAKRA connectors from IMS Connector Systems offer a reliable solution for use in wet environments. They are specifically designed to ensure a secure and tight connection, even in adverse conditions. With high quality materials and precision manufacturing, these connectors are an excellent choice for applications where watertightness is critical. In accordance with the international standards ISO 20653 various solutions can be offered fulfilling IP67 until IP69K watertightness.

## Product specific highlights for FAKRA connectors

The SMBA® (FAKRA) connectors were specially developed for automotive applications and meet the standards of FAKRA (Expert Circle Automobil) for a uniform connector system. Thanks to the special, standardized locking system, SMBA® (FAKRA) connectors meet the high requirements of the automotive industry in terms of functionality and safety. SMBA® coaxial connectors comply with: USCAR-17/18 and ISO 20860.

- » Secure primary locking system with tactile and audible locking
- » Protection against unintentional opening by protective bar and protective strips
- » Mechanical and color coding system with 13 different codes
- » Coaxial insert and cable freely rotatable in the housing
- » Efficient, automated further processing option
- » Shock and vibration resistant coded housing
- » High axial holding power of the coaxial insert due to secondary locking
- » Fastening groove for cable connectors for chassis mounting
- » Pre-assembly lock guarantees correct position of the coaxial inserts in the housing





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