



# 5G ANTENNA

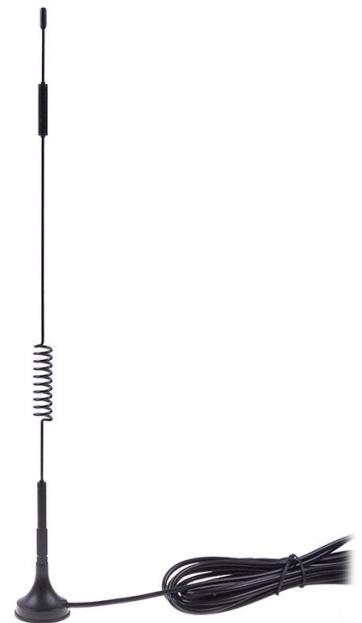
Antenna 5G/WiFi Dual Band Magnet Mount A1168, 6 dBi, SMA(m), RG174U/3m

AO-A5G-MG6S

SECTRON company offers a wide portfolio of 5G antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.

## BENEFITS

- Low VSWR
- Easy installation
- Omnidirectional radiation pattern

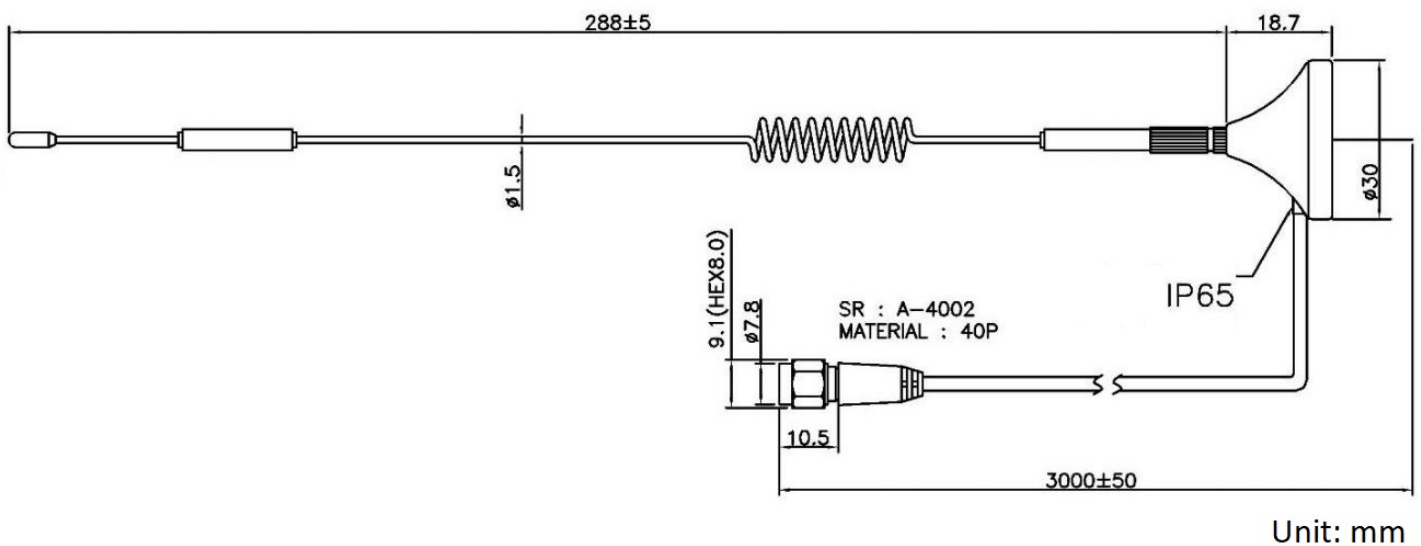


## FEATURES

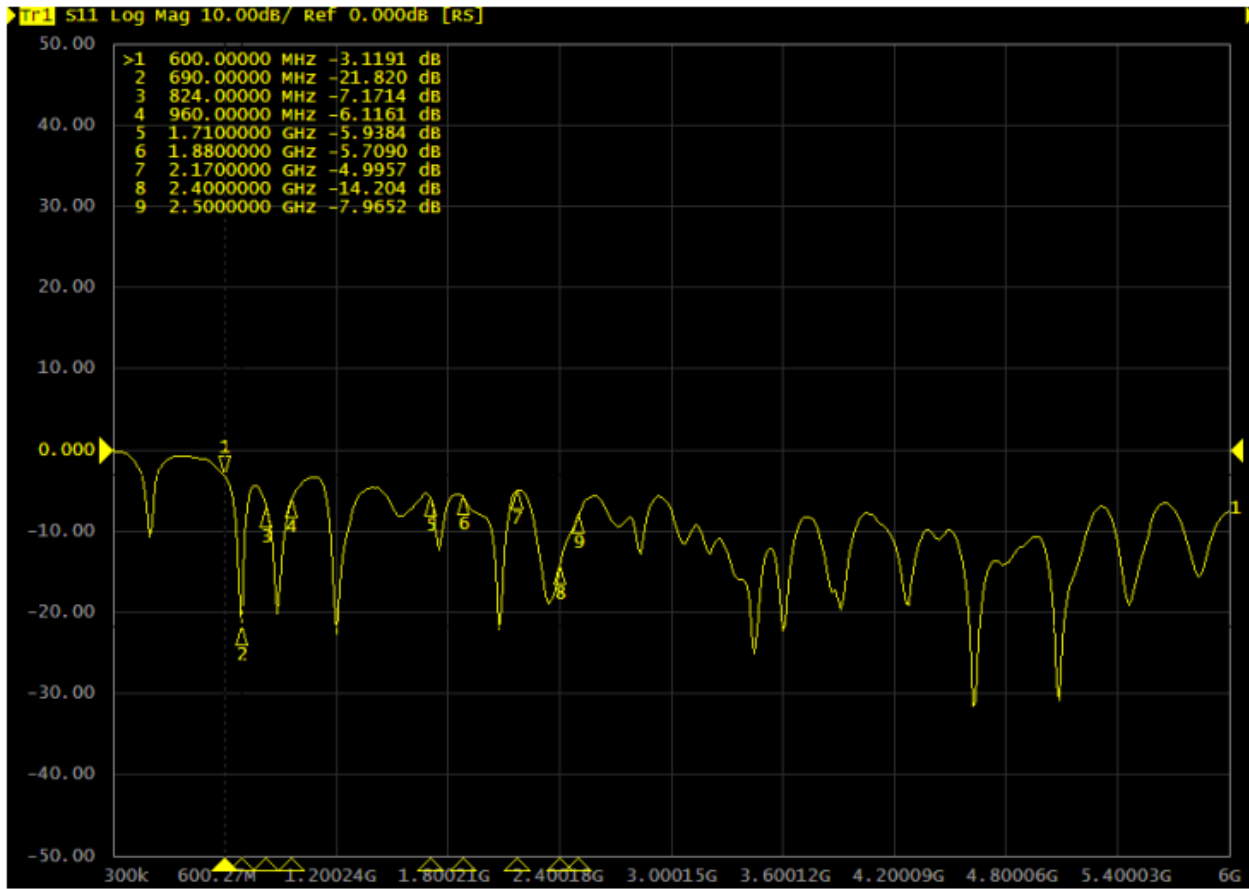
AO-A5G-MG6S

Technology	5G
Frequency bands	690-960/1710-2700/3300-4400/5100-5950 MHz
Bandwidth	-
Gain	6.32 dBi
VSWR	<2.5:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Linear
Maximum input power	10 W
Power voltage	-
Dimensions	∅ 30.0 x 306.7 mm
Weight	51.79 g
Operating temperature	-30 to +80 °C
Execution	External
Method of attachment	Magnetic
Cable type	RG174/U
The cable length	3 m
Connector type	SMA(m)
Certification	RoHS, ISO9001, ISO14001

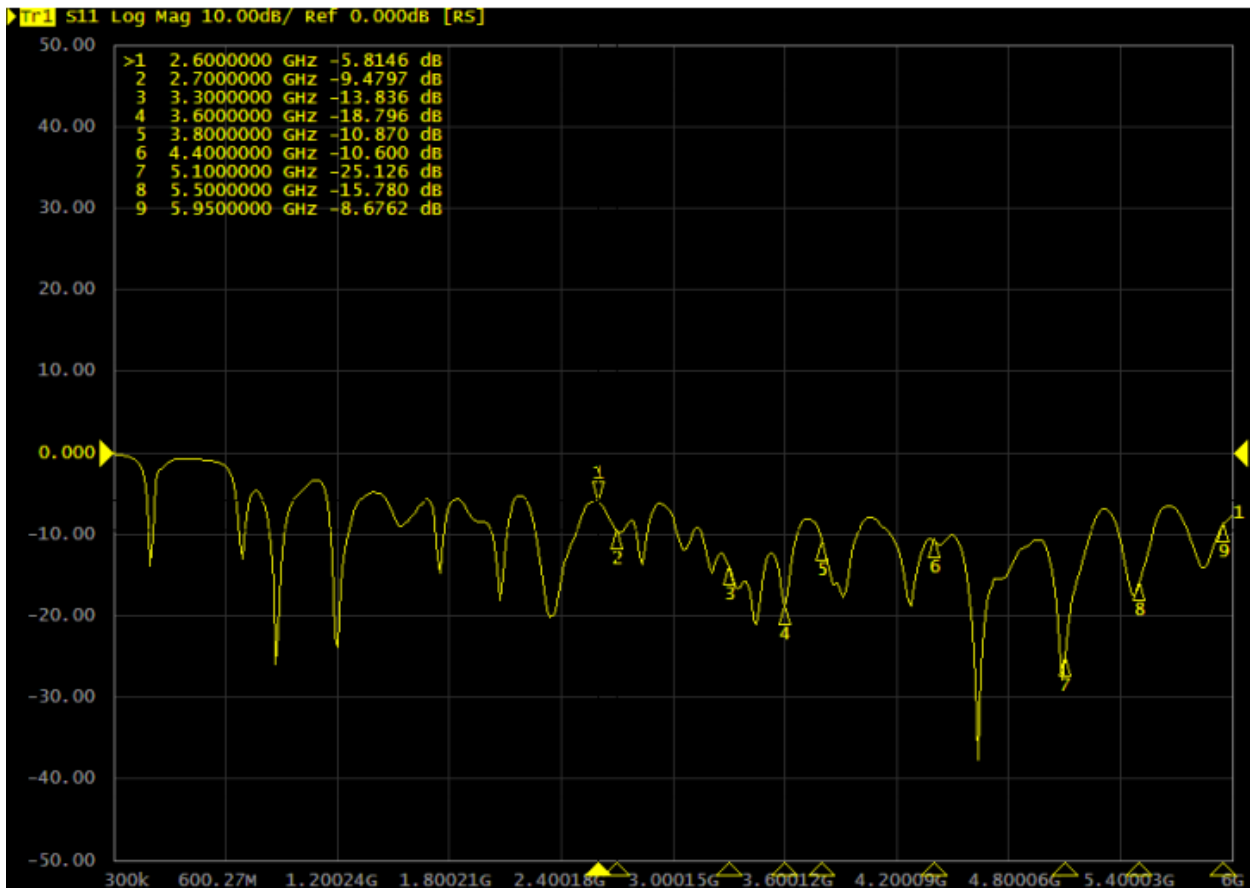
## DRAWING



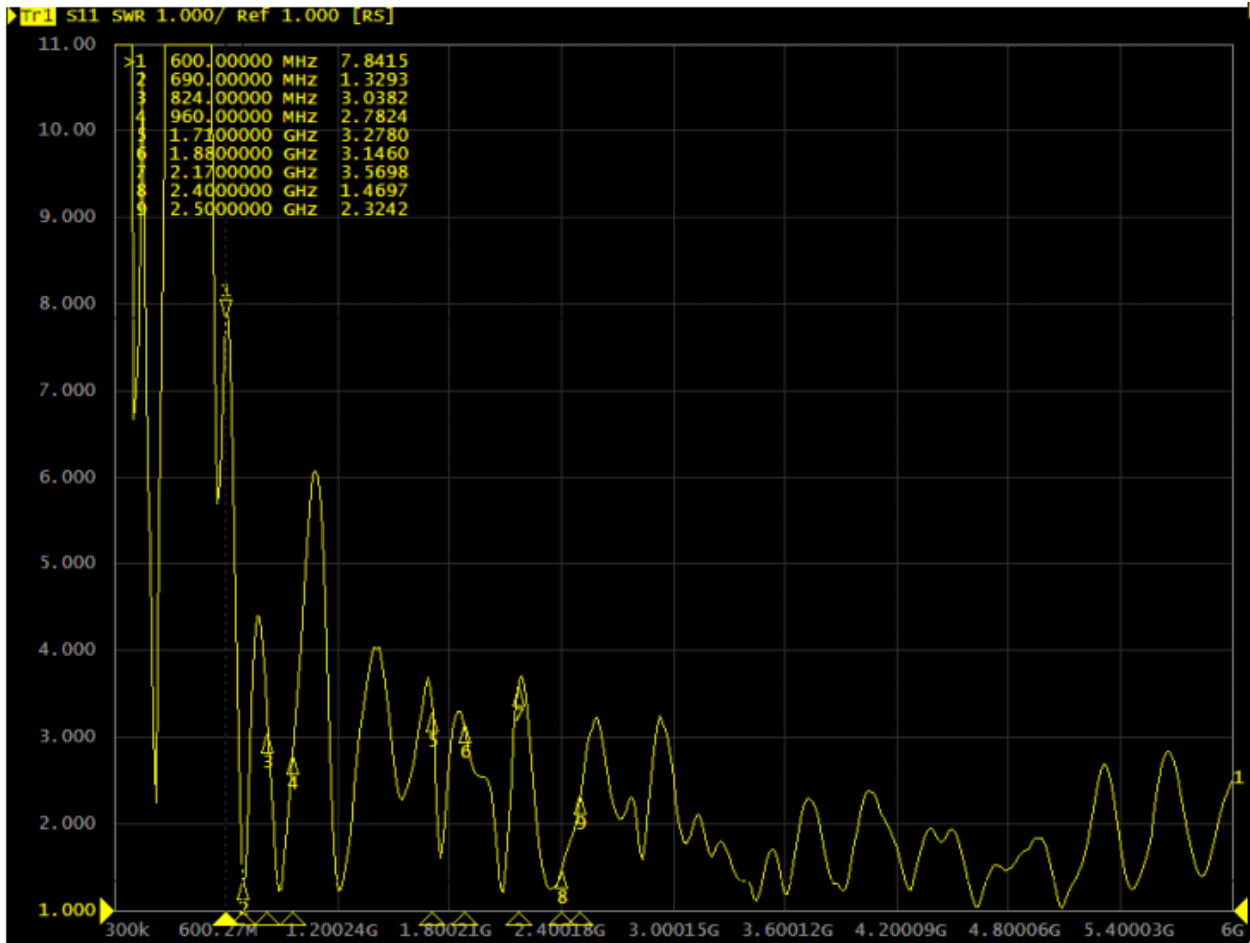
$S_{11}$  - Return loss [dB] (600 - 2500 MHz)



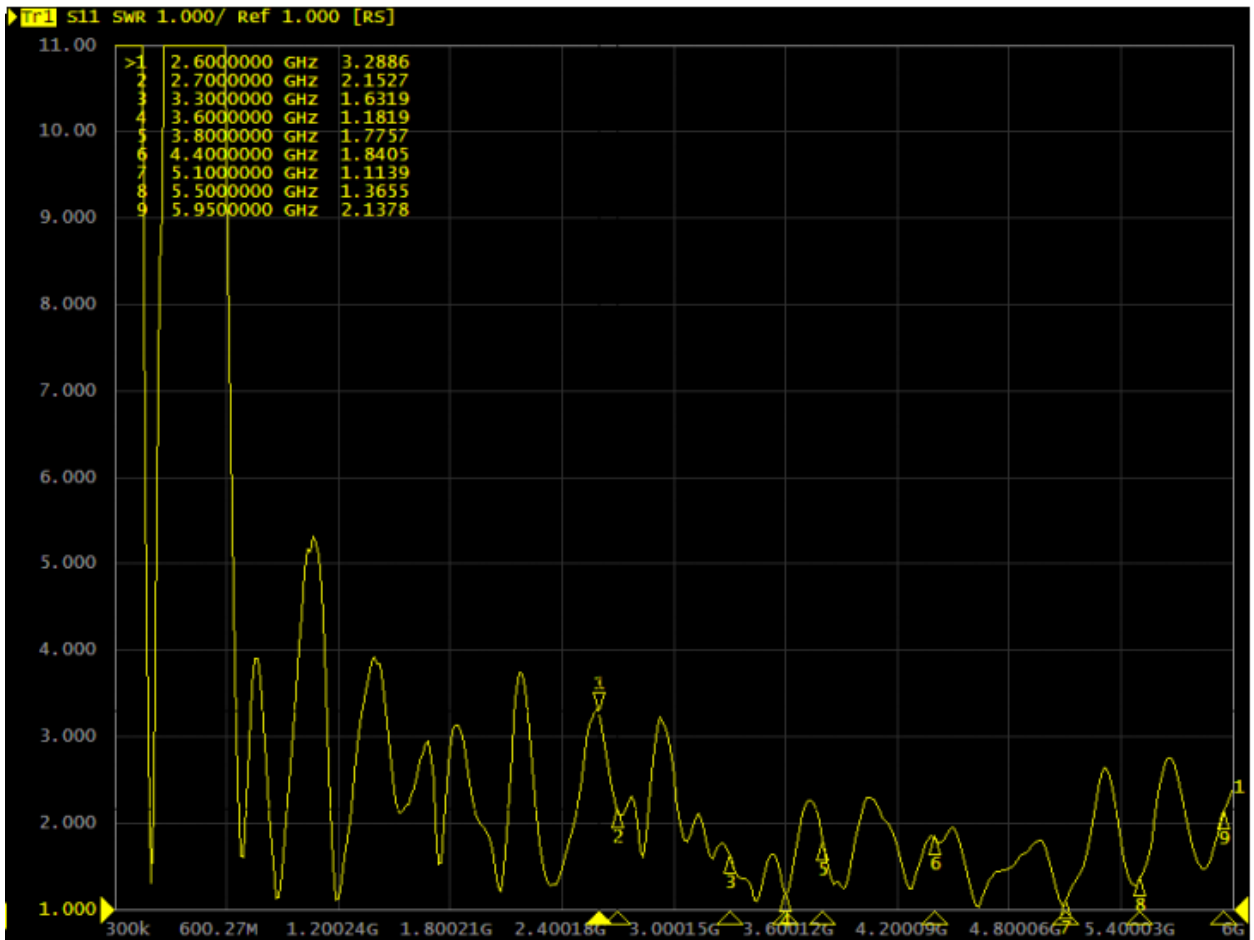
$S_{11}$  - Return loss [dB] (2600 - 6000 MHz)

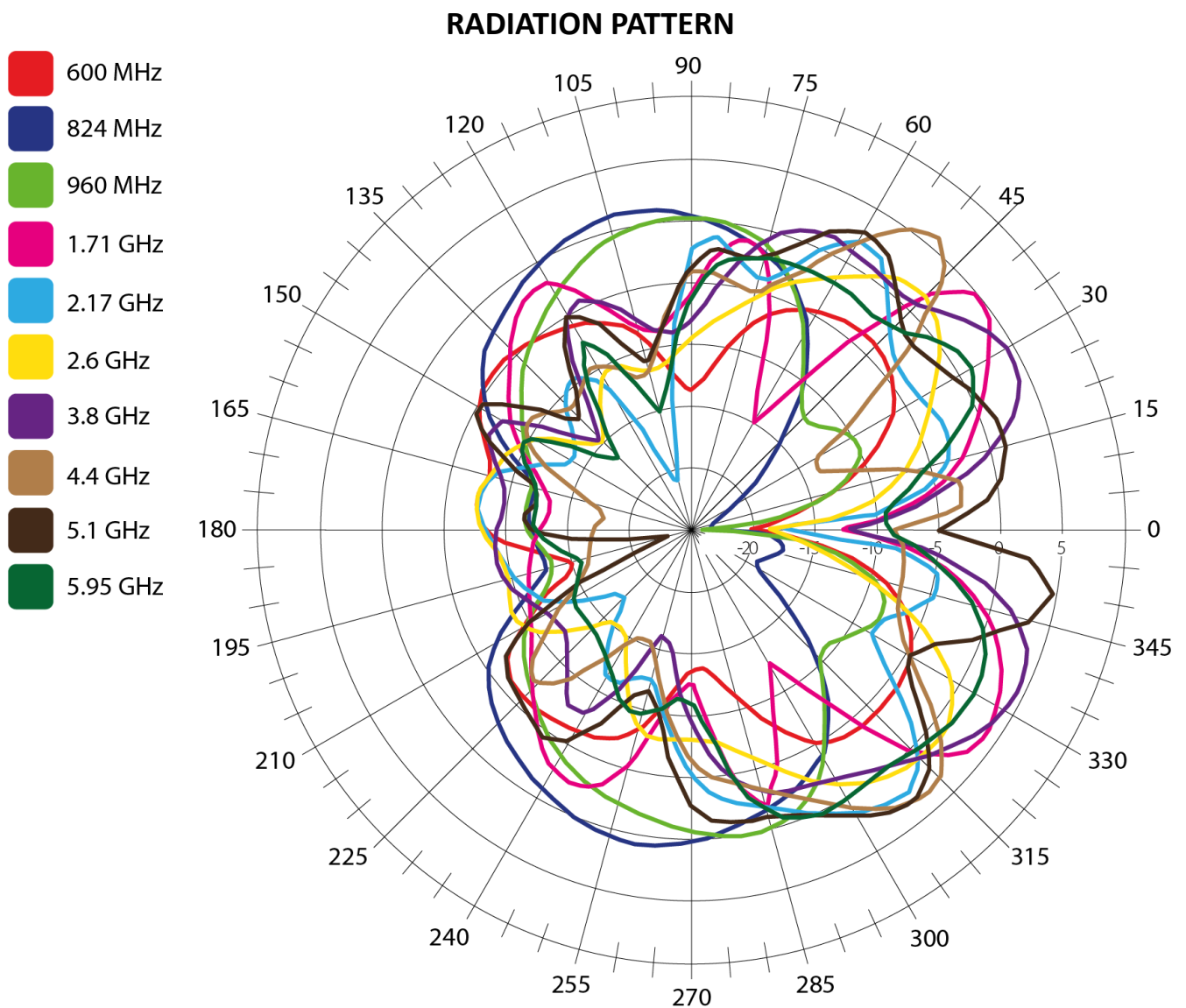


VSWR - Voltage standing wave ratio [-] (600 - 2500 MHz)



VSWR - Voltage standing wave ratio [-] (2600 - 6000 MHz)





SUMMARY

Frequency [MHz]	$S_{11}$ [dB]	VSWR [-]	Efficiency [%]	Gain [dBi]
690	-21.82	1.32	52.24	-0.21
824	-7.17	3.03	59.02	1.32
960	-6.11	2.78	47.64	0.25
1710	-20.07	1.22	51.4	3.65
2170	-16.50	1.37	41.4	2.90
2700	-18.62	1.26	52.97	3.04
3600	-18.79	1.18	69.34	6.32
4400	-16.90	1.37	49.77	4.58
5100	-17.18	1.32	67.30	4.86
5950	-18.96	1.25	41.98	2.69

## VARIANTS

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Different connector variants or cable lengths are available on request.

## CONTACTS

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