

HIGH CURRENT COAXIAL PROBES



HCF349

100 A | 300 mil | Flanged

Electrical specifications

Temperature [°C]	-45°...+200°	
	SENSE	POWER
Current [A]	4	100
R _{TYP} [mOhm]	100	<4

Mechanical specifications

	SENSE	POWER
Preload [cN]	60	500
Spring force [cN] at nt ±20%	160	1400
Nominal travel [mm]	4.3	4.4
Maximum travel [mm]	6.4	5.5

Materials and plating

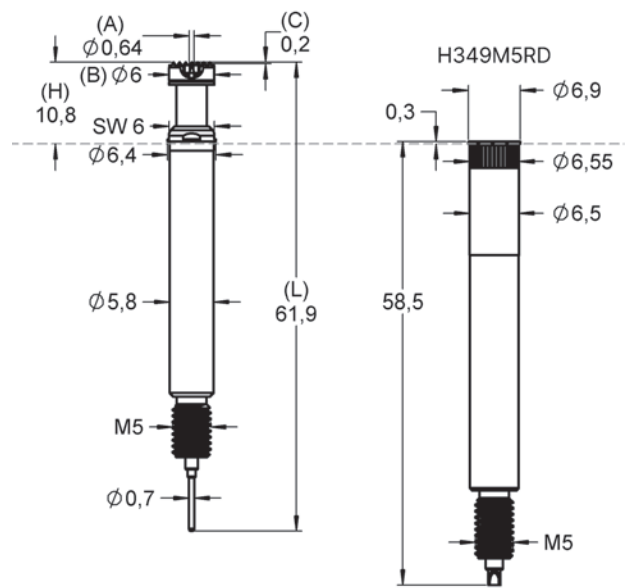
Contact SENSE	BeCu	gold plated
Contact POWER	BeCu	unplated
Barrel	Brass	gold plated
	Brass	silver plated (AC)
Spring SENSE	Stainless steel	unplated
Spring POWER	Stainless steel	unplated
Receptacle	Brass	silver plated

Accessories

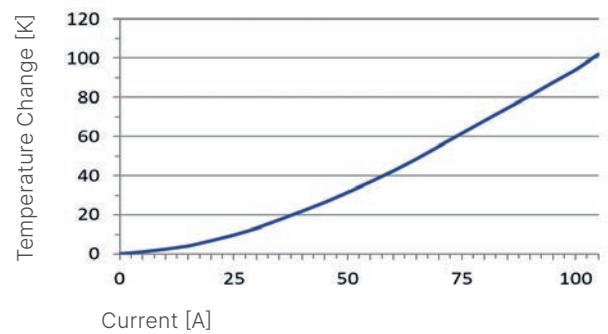
1024195	H349M5KB	Receptacle
1023693	FEWZ-348E0	Insertion tool receptacle
1031601	FWZ348T	Insertion tool probe

Series drawing

All measurements are in mm.



Thermal Rise of Contact Probe vs. Current



Drill size recommendation (mm)

1024195 H349M5KB 6.51 - 6.53

Order code	Product name	Power	Sense 1	Ø A	Ø B	C	H	Thread [M]	Version	FM Choice
1024193	HCF34918B0001G15	06	18	0.64	6.0	0.2	10.8	M5	-	-
1030724	HCF34918B0003G15	06	18	0.64	6.0	0.2	10.8	M5	-	-
1090823	HCF34906B600G1500A	06	18	0.64	6.0	0.2	10.8	M5	A	-