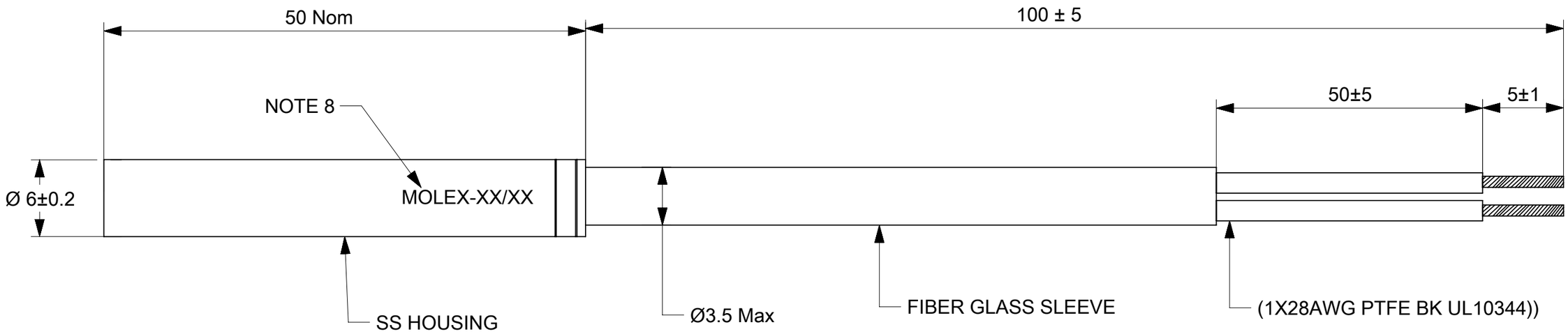

NOTES:

1. RESISTANCE @ 25°C : 50KΩ ± 1%
2. BETA VALUE (0/50°C) : 4035K ± 1%
3. OPERATING TEMPERATURE RANGE : -40°C TO +250°C.
4. THERMAL TIME CONSTANT : 15SEC IN WATER
5. VOLTAGE BREAKDOWN STRENGTH : 1500V AC FOR 3SEC.
6. INSULATION RESISTANCE : A MINIMUM OF 100MΩ @ 500VOLTS DC.
7. DISSIPATION FACTOR : 1mW/°C.
8. LASER MARKING "MOLEX-DATE CODE(MM/YY)"

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FUNCTIONAL SYMBOLS	FA = 0, FC = 0, FD = 0
DIVISIONAL SYMBOLS	
DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 718518
DRWN: NANDAK 2022/08/04
CHK'D: RBBHASKAR 2022/08/24
APPR: RBBHASKAR 2022/08/24

INITIAL REVISION:
DRWN: RAVIKM 2022/01/30
APPR: RBBHASKAR 2022/02/18

molex

GLASS NTC PROBE A -50K±1%,B4035,L100

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2185373907	PSD	000	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	218537	2185373907	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2022/08/24 09:38:27

FORMAT: master-Sized-A3
REVISION: J1
DATE: 2021/05/05

RESISTANCE VS TEMPERATURE CHARACTERISTICS

TEMP(°C)	Rmin(KΩ)	Rnom(KΩ)	Rmax(KΩ)
-40	1689.446	1768.460	1850.985
-35	1206.272	1258.400	1312.649
-30	887.056	922.520	959.306
-25	664.871	689.441	714.849
-20	497.166	514.028	531.408
-15	374.123	385.702	397.600
-10	281.815	289.707	297.790
-5	214.745	220.154	225.676
0	164.268	167.950	171.697
5	126.975	129.484	132.029
10	98.953	100.654	102.374
15	77.932	79.081	80.239
20	61.896	62.663	63.432
25	49.500	50.000	50.500
30	39.644	40.133	40.623
35	31.919	32.382	32.848
40	25.824	26.254	26.688
45	20.991	21.384	21.782
50	16.731	17.082	17.439
55	14.063	14.383	14.709
60	11.593	11.880	12.172
65	9.605	9.861	10.123
70	8.000	8.228	8.462
75	6.700	6.903	7.112
80	5.643	5.824	6.010
85	4.782	4.943	5.109
90	4.088	4.232	4.382
95	3.509	3.638	3.772
100	3.022	3.138	3.258
105	2.609	2.713	2.821
110	2.258	2.351	2.448
115	1.957	2.041	2.129
120	1.699	1.775	1.853
125	1.478	1.545	1.616
130	1.287	1.347	1.411
135	1.122	1.177	1.234
140	0.980	1.029	1.081
145	0.858	0.902	0.948
150	0.752	0.792	0.834

TEMP(°C)	Rmin(KΩ)	Rnom(KΩ)	Rnom(KΩ)
155	0.6592	0.695	0.7325
160	0.5856	0.618	0.6523
165	0.5222	0.552	0.583
170	0.4671	0.494	0.5226
175	0.4189	0.444	0.4697
180	0.3765	0.399	0.423
185	0.3391	0.36	0.3818
190	0.3059	0.325	0.3452
195	0.2765	0.294	0.3126
200	0.2503	0.266	0.2835
205	0.227	0.242	0.2576
210	0.2061	0.22	0.2344
215	0.1875	0.2	0.2136
220	0.1707	0.182	0.1949
225	0.1558	0.167	0.1781
230	0.1425	0.153	0.1632
235	0.1306	0.14	0.1499
240	0.1198	0.129	0.1378
245	0.1103	0.118	0.127
250	0.1018	0.109	0.1174

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SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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INITIAL REVISION:
DRWN: RAVIKM 2022/01/30
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THIRD ANGLE PROJECTION

DRAWING: A3-SIZE
SERIES: 218537

molex

GLASS NTC PROBE A -50K±1%,B4035,L100

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2185373907	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
2185373907	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2022/08/24 09:38:27

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