



Utilisation

For usual applications:

- control, excitation, discharge, start-up of low-voltage engines;
- economy resistor for contactor coils.

Technical description:

- cylindrical pipe in ceramic on which a strong wire in a special alloy is winded round;
- the whole is covered with enamel which has been treated at a high temperature;
- very strong, even in the case of very high ohm values;
- stainless.

Characteristics:

type	allowable power for a continuous use ⁽¹⁾
QNA	180
QNC	85

(1) for an overheating of about 300°C.

Tolerance regarding ohm value $\pm 5\%$.

The pointed out powers can be increased when the use is not continuous. On the below chart, you have multiplying coefficients K1 to be used on allowable powers for a continuous use. They will depend on some duration regarding the switching-on of resistors and on a maximum rate of 4 switching-on per hour.

duration	5 mn	4 mn	3 mn	2 mn	1 mn	30 s.	< 20 s.
K1	1.25	1.50	2	3	5.5	8	10

tubular resistor QNA

value Ω	Lenoir code	brisch nr
0.20	93 100	44 611 245
0.25	93 101	44 611 246
0.32	93 102	44 611 247
0.40	93 103	44 611 248
0.50	93 104	44 611 249
0.64	93 105	44 611 250
0.80	93 106	44 611 251
1	93 107	44 611 252
1.25	93 108	44 611 253
1.6	93 109	44 611 254
2	93 110	44 611 255
2.5	93 111	44 611 256
3.2	93 112	44 611 257
4	93 113	44 611 258
5	93 114	44 611 259
6.4	93 115	44 611 260
8	93 116	44 611 261
10	93 117	44 611 262
12.5	93 118	44 611 263
16	93 119	44 611 264
20	93 120	44 611 265
25	93 121	44 611 266
32	93 122	44 611 267
40	93 123	44 611 268
50	93 124	44 611 269
64	93 125	44 611 270
80	93 126	44 611 271
100	93 127	44 611 272
125	93 128	44 611 273
160	93 129	44 611 274
200	93 130	44 611 275
250	93 131	44 611 276
320	93 132	44 611 277
400	93 133	44 611 278
500	93 134	44 611 279
640	93 135	44 611 280
800	93 136	44 611 281
1000	93 137	44 611 282
1250	93 138	44 611 283
1600	93 139	44 611 284
2000	93 140	44 611 285
2500	93 141	44 611 286
3200	93 142	44 611 287
4000	93 143	44 611 288
5000	93 144	44 611 289
6400	93 145	44 611 290
10000	93 148	