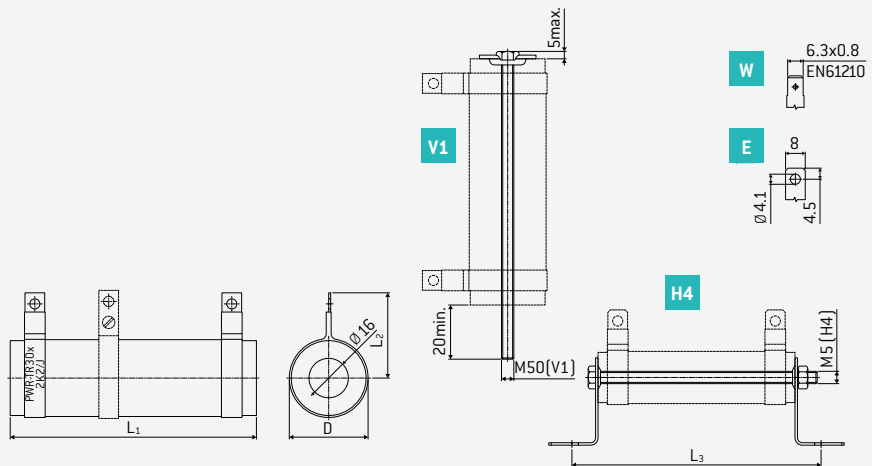


PWR-TR 3XX WIRE AND TUBE RESISTOR UP TO 200 W



Cemented wire tube resistors are thermally optimised resistor designs with a broad spectrum of resistance values and performances. Diverse combination possibilities of the electrical properties, as well as multiple connection and assembly options make these resistors interesting for several applications of automation technology and in mechanical and systems engineering.



TYPE SELECTION AND DIMENSIONS

Type	PN @25°C	Resistance value	Operation- al voltage	Dmax	L ₁	L _{2max}	Weight	L ₃	Connection
				mm	mm	mm	g	mm	
PWR-TR 301	75 W	0R4 – 47K	1200 V ≅	35	100 ± 1.8	40	130	124 ± 1	B/E
PWR-TR 302	100 W	0R6 – 82K	1500 V ≅	35	135 ± 2.5	40	180	160 ± 1	B/E
PWR-TR 303	150 W	0R9 – 110K	2000 V ≅	35	200 ± 3.8	40	270	226 ± 1	B/E
PWR-TR 304	200 W	1R2 – 120K	2500 V ≅	35	275 ± 4.6	40	400	302 ± 1	B/E

PWR-TRR – Adjustable resistors with additional tap clamp

SAMPLE ORDER

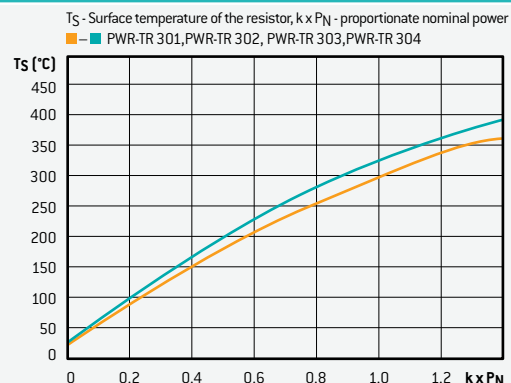
PWR-TR302 28 R 5% E V1

Holder H4 (55g)
V1 (29g)

Degree of protection IP 00

Storage temperature –25°C at +40°C

PERFORMANCE-TEMPERATURE-CURVE



PARAMETER

Tolerance ± 5% (± 10%)

Temperature coefficient TC ≤ ± 150 ppm/K

Stability at P_{nominal} @ 25°C, 1000 h ± 5%

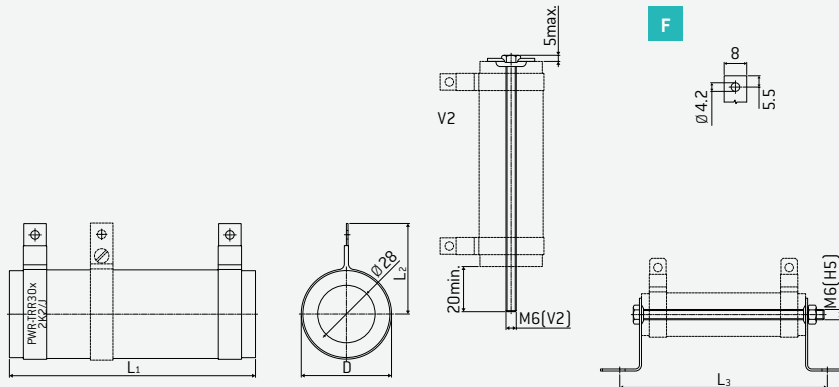
Max. overload capacity 10 x P_N in 5 sec

Test voltage against holder 3000 V ≅

PWR-TR 3XX WIRE AND TUBE RESISTOR UP TO 500 W (2)



Cemented wire tube resistors are thermally optimised resistor designs with a broad spectrum of resistance values and performances. Diverse combination possibilities of the electrical properties, as well as multiple connection and assembly options make these resistors interesting for several applications of automation technology and in mechanical and systems engineering.



TYPE SELECTION AND DIMENSIONS

Type	PN @25°C	Resistance value	Operation- al voltage	Dmax	L ₁	L _{2max}	Weight	L ₃	Connection
				mm	mm	mm	g	mm	
PWR-TR 305	200 W	0R7 – 82K	2 000 V	47	130 ± 3	50	300	155 ± 1	F
PWR-TR 306	300 W	1R0 – 120K	2 500 V	47	182 ± 3.4	50	400	208 ± 1	F
PWR-TR 307	400 W	1R5 – 160K	2 750 V	47	250 ± 4.2	50	550	277 ± 1	F
PWR-TR 308	500 W	2R6 – 200K	3 000 V	47	310 ± 5	50	700	337 ± 1	F

PWR-TRR – Adjustable resistors with additional tap clamp

SAMPLE ORDER

PWR-TR308 180 K 10% F H5

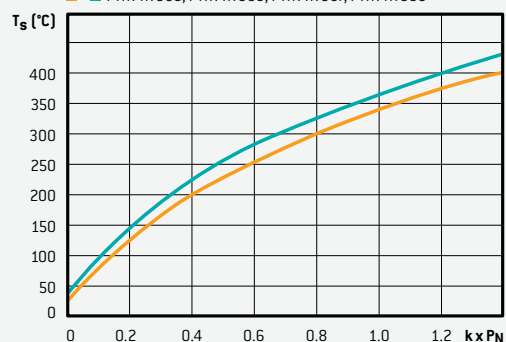
Holder H5 (91g)
V2 (57g)

Degree of protection IP 00

Storage temperature –25°C at +40°C

PERFORMANCE-TEMPERATURE-CURVE

T_S - Surface temperature of the resistor, k x P_N - proportionate nominal power
 — PWR-TR 305, PWR-TR 306, PWR-TR 307, PWR-TR 308



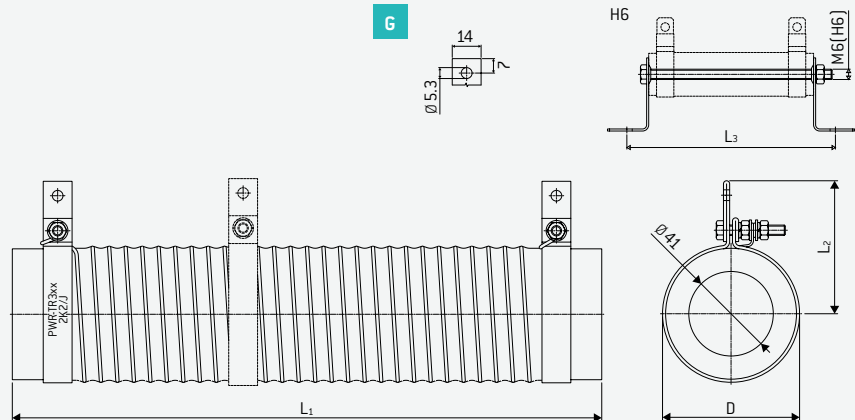
PARAMETER

Tolerance	± 5% (± 10%)
Temperature coefficient TC	≤ ± 150 ppm/K
Stability at P_{nominal} @ 25°C, 1000 h	± 5%
Max. overload capacity	10 x P _N in 5 sec
Test voltage against holder	4000 V ≅

PWR-TR 3XX WIRE AND TUBE RESISTOR UP TO 1300 W (3)



Cemented wire tube resistors are thermally optimised resistor designs with a broad spectrum of resistance values and performances. Diverse combination possibilities of the electrical properties, as well as multiple connection and assembly options make these resistors interesting for several applications of automation technology and in mechanical and systems engineering.



TYPE SELECTION AND DIMENSIONS

Type	PN @25°C	Resistance value	Operation- al voltage	Dmax	L ₁	L _{2max}	Weight	L ₃	Connection
				mm	mm	mm	g	mm	
PWR-TR 309	750 W	3R6 – 130K	4 000 V	68	390 ± 5.5	68	2 200	430 ± 1	G
PWR-TR 310	1000 W	4R7 – 180K	4 500 V	68	515 ± 6.8	68	2 800	555 ± 1	G
PWR-TR 320	1300 W	6R2 – 180K	4 500 V	68	660 ± 6.8	68	3 500	700 ± 1	G

PWR-TRR – Adjustable resistors with additional tap clamp

SAMPLE ORDER

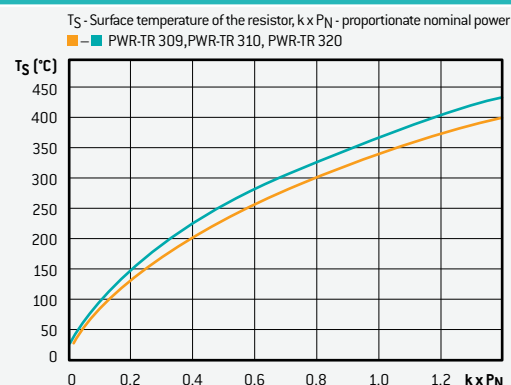
PWR-TR310 5 R8 5% G H6

Holder H6 (390g)

Degree of protection IP 00

Storage temperature –25°C at +40°C

PERFORMANCE-TEMPERATURE-CURVE



PARAMETER

Tolerance ± 5% (± 10%)

Temperature coefficient TC ≤ ± 150 ppm/K

Stability at $P_{nominal}$ @ 25°C, 1000 h ± 5%

Max. overload capacity 10 x P_N in 5 sec

Test voltage against holder 4000V≅

ASSEMBLY ACCESSORIES PWR-TR

