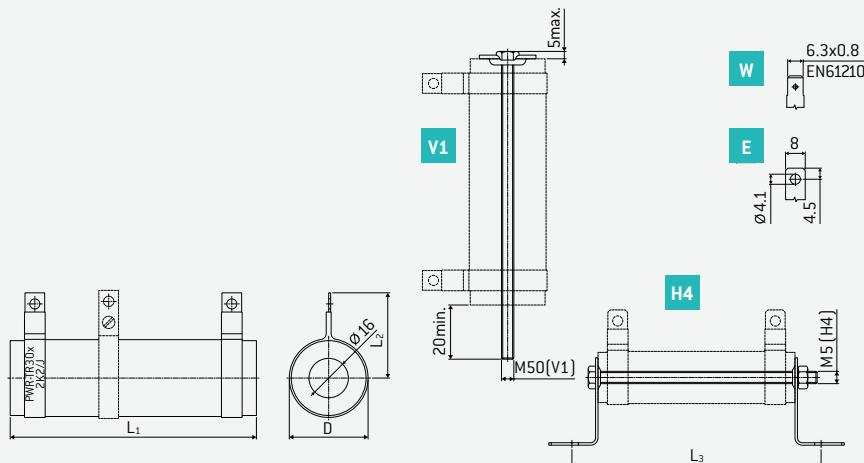


# PWR-TR 3XX WIRE AND TUBE RESISTOR UP TO 200 W



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	Operational voltage	Dmax	L <sub>1</sub>	L <sub>2max</sub>	Weight	L <sub>3</sub>	Connection
				mm	mm	mm	mm	mm	
PWR-TR 301	75W	0R4 - 47K	1200V $\equiv$	35	100 $\pm$ 1.8	40	130	124 $\pm$ 1	B/E
PWR-TR 302	100W	0R6 - 82K	1500V $\equiv$	35	135 $\pm$ 2.5	40	180	160 $\pm$ 1	B/E
PWR-TR 303	150W	0R9 - 110K	2000V $\equiv$	35	200 $\pm$ 3.8	40	270	226 $\pm$ 1	B/E
PWR-TR 304	200W	1R2 - 120K	2500V $\equiv$	35	275 $\pm$ 4.6	40	400	302 $\pm$ 1	B/E

PWR-TRR – Adjustable resistors with additional tap clamp

## SAMPLE ORDER

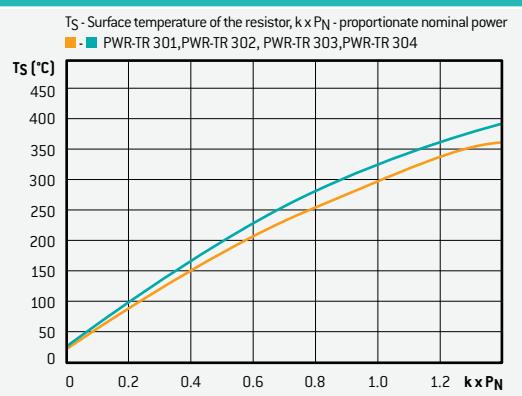
PWR-TR302 28 R 5% E V1

Holder H4 (55g)  
V1 (29g)

Degree of protection IP00

Storage temperature -25°C at +40°C

## PERFORMANCE-TEMPERATURE-CURVE



## PARAMETER

**Tolerance**  $\pm 5\% (\pm 10\%)$

**Temperature coefficient TC**  $\leq \pm 150 \text{ ppm/K}$

**Stability at P<sub>nominal</sub> @ 25°C, 1000 h**  $\pm 5\%$

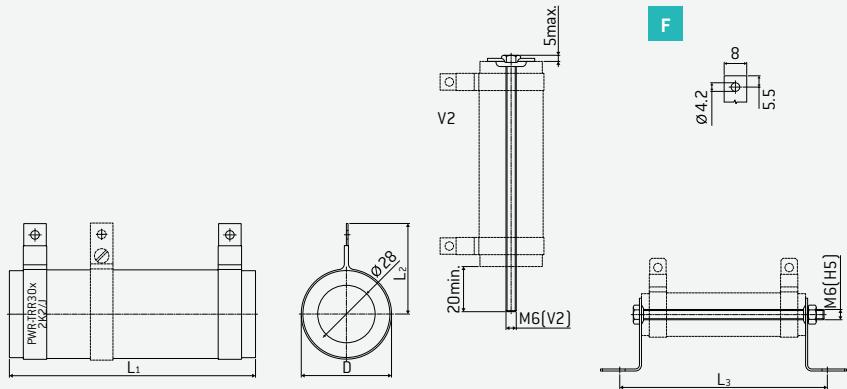
**Max. overload capacity**  $10 \times P_N$  in 5 sec

**Test voltage against holder** 3000V $\equiv$

# 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	Operational voltage	Dmax	L <sub>1</sub>	L <sub>2max</sub>	Weight	L <sub>3</sub>	Connection
				mm	mm	mm	mm	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

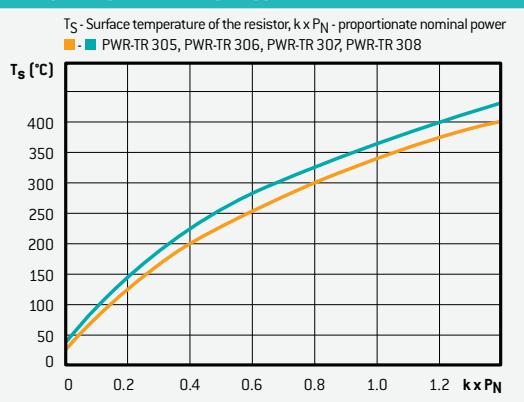
PWR-TR308 180 K 10% F H5

Holder H5 (91g)  
V2 (57g)

Degree of protection IP 00

Storage temperature -25°C at +40°C

## PERFORMANCE-TEMPERATURE-CURVE



## PARAMETER

**Tolerance** ± 5% (± 10%)

**Temperature coefficient TC** ≤ ± 150 ppm/K

**Stability at P<sub>nominal</sub> @ 25°C, 1000 h** ± 5%

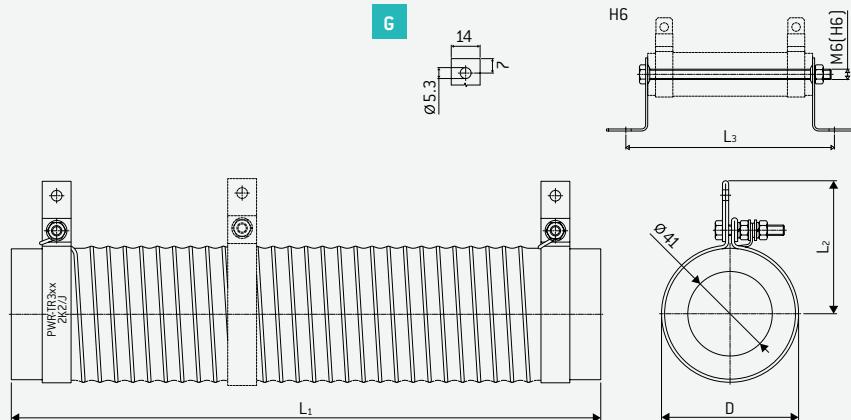
**Max. overload capacity** 10 x P<sub>N</sub> in 5 sec

**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	Operational voltage	Dmax	L <sub>1</sub>	L <sub>2max</sub>	Weight	L <sub>3</sub>	Connection
				mm	mm	mm	mm	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

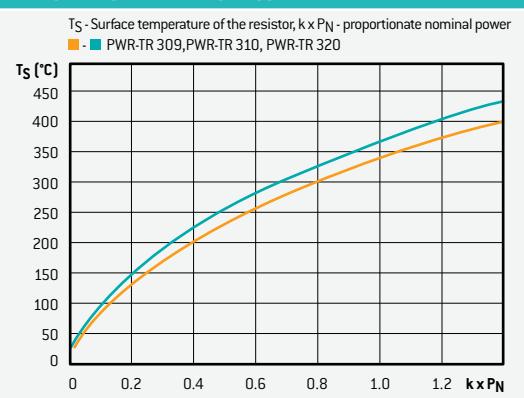
PWR-TR310 5R8 5% G H6

Holder H6 (390g)

Degree of protection IP00

Storage temperature -25°C at +40°C

## PERFORMANCE-TEMPERATURE-CURVE



## PARAMETER

**Tolerance** ± 5% (± 10%)

**Temperature coefficient TC** ≤ ± 150 ppm/K

**Stability at P<sub>nominal</sub> @ 25°C, 1000 h** ± 5%

**Max. overload capacity** 10 × P<sub>N</sub> in 5 sec

**Test voltage against holder** 4000 V ≈

# ASSEMBLY ACCESSORIES PWR-TR

