



### MAIN FEATURES

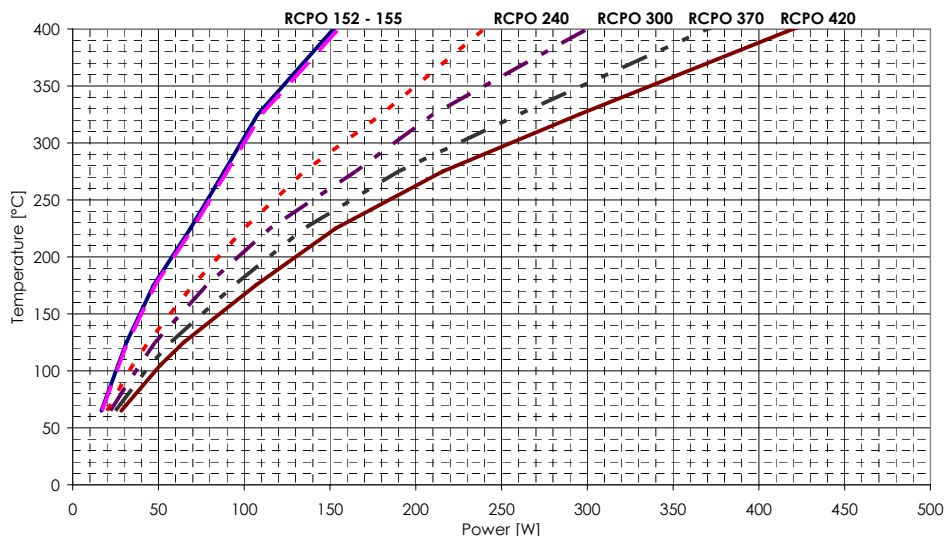
<b>Description</b>	Tape wound resistor on tubular ceramic support coated with vitreous enamel (RSPO) or cement (RCPO)
<b>Market</b>	Industrial Automation, Railway traction, Energy conversion
<b>Applications</b>	Dynamic braking, Neutral Grounding, Motor control, Harmonic filters, Charge Discharge Capacitors, Load bank
<b>Mechanical characteristics</b>	Protection Degree IP00, Two terminals, Cylindric shape, Submerged collars
<b>Special version</b>	Adjustable, Intermediate grip, Traction version, Special tolerance
<b>Active materials</b>	Available: CuNi44, Nickel-Chrome Alloys, CuNi11

Parameter	Condition	ID	Unit	Value
Nominal power	$T_a=25^\circ\text{C}$	$P_{nom}$	W	see table
Min resistance	$T_a=25^\circ\text{C}$	$R_{min}$	$\Omega$	see table
Max resistance	$T_a=25^\circ\text{C}$	$R_{max}$	$\Omega$	see table
Limit voltage		$V_{lim}$	V	see table
Surface resistor temp.	$T_a=25^\circ\text{C}$	$T_{nom}$	$^\circ\text{C}$	see graph
Resistance tolerance	$R < 1 \Omega, T_a=25^\circ\text{C}$		%	$\pm 20$
Resistance tolerance	$R > 1 \Omega, T_a=25^\circ\text{C}$		%	$\pm 10$
Temp. Coefficient Resistance		TCR	$10^{-6}/^\circ\text{C}$	$20 \div 450$
Dielectric strenght	50Hz; 60"	$V_{iso}$	$V_{rms}$	3.000
Insulation resistance	1.000 VDC	$R_{iso}$	M $\Omega$	> 100
Max Overload	10"	$P_{10}$	W	$5 \times P_{nom}$
	5"	$P_5$	W	$10 \times P_{nom}$

### ELECTRICAL CHARACTERISTICS

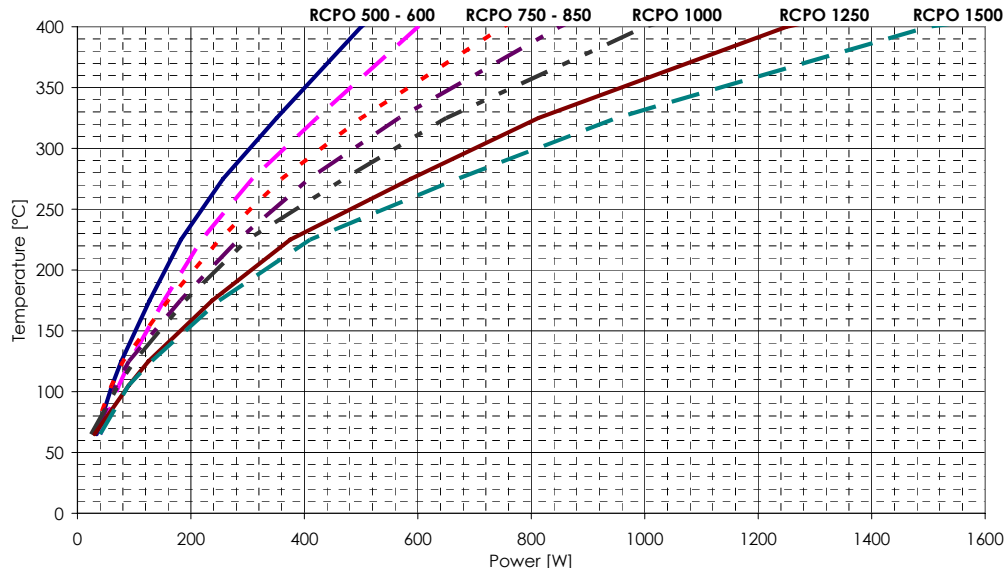
ID Unit	$P_{nom}$ W	$R_{min}$ $\Omega$	$R_{max}$ $\Omega$	$V_{lim}$ V
RCPO-RSPO 152	152	0,056	9,1	1.500
RCPO-RSPO 155	155	0,068	10	1.500
RCPO-RSPO 240	240	0,12	22	2.000
RCPO-RSPO 300	300	0,15	27	2.500
RCPO-RSPO 370	370	0,22	39	3.000
RCPO-RSPO 420	420	0,22	39	3.000
RCPO 500	500	0,39	47	3.000
RCPO 600	600	0,47	56	3.000
RCPO 750	750	0,56	68	3.000
RCPO 850	850	0,68	75	3.000
RCPO 1000	1.000	0,82	82	3.500
RCPO 1250	1.250	0,91	91	3.500
RCPO 1500	1.500	1	100	4.000

Surface Temperature Characteristics (RSPO-RCPO 152-420)





Surface Temperature Characteristics (RCPO 500-1500)



### MECHANICAL DATA

Dimensions [mm]	A	D	d	L	BRACKETS	Weight [gr]
RCPO-RSPO 152	76	29		100	SQ/SC 23	170
RCPO-RSPO 155	84	29		108	SQ/SC 23	180
RCPO-RSPO 240	141	29		165	SQ/SC 23	290
RCPO-RSPO 300	191	29		215	SQ/SC 23	370
RCPO-RSPO 370	241	29		265	SQ/SC 23	460
RCPO-RSPO 420	276	29		300	SQ/SC 23	520
RCPO-RSPO 500	270	40	18,5	300	SQ/SC 30	1.000
RCPO-RSPO 600	270	50	28	300	SO 50	1.500
RCPO-RSPO 750	270	60	44	300	SO 60	1.250
RCPO-RSPO 850	420	50	28	450	SO 50	2.400
RCPO-RSPO 1000	370	60	44	400	SO 60	2.000
RCPO-RSPO 1250	420	60	44	450	SO 60	2.200
RCPO-RSPO 1500	470	60	44	500	SO 60	2.500

### DRAWINGS

RSPO-RCPO 152-420

