

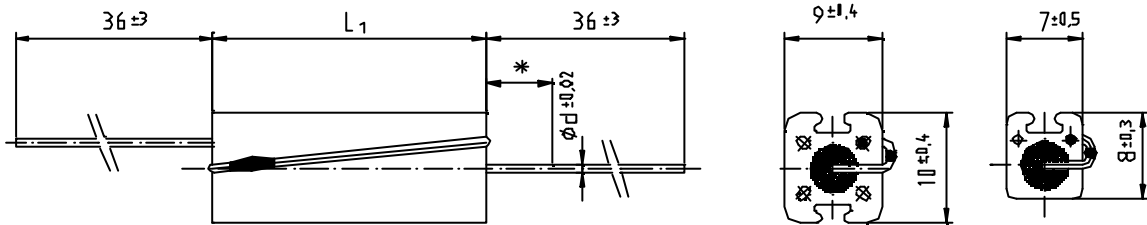
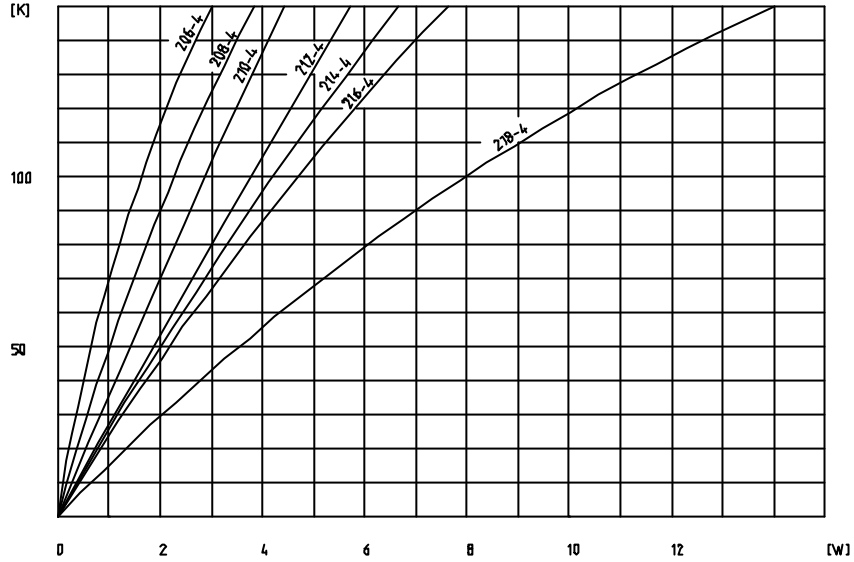
Power Wirewound Resistors
axial, circuit breaker, ceramic case, fibre class core

Specification

Type		KF206-4	KF208-4	KF210-4	KF212-4	KF214-4	KF216-4	KF218-4
Power rating	P ₂₅ P ₇₀	2,5 1,2	3,0 1,5	4,5 2,5	3,5 2,0	5,0 3,0	7,0 4,0	11 6,0
Resistance range		see Page 2						
E-series		E 24 (5%), E 12 (10%)						
Tolerance	%	± 5, ± 10						
Temperature coefficient	10 ⁻⁶ *K ⁻¹	- 80 ... + 500						
max. cont. working voltage	V _{RMS}	$\sqrt{P_{70} \cdot R}$ for all Styles						
Insulation voltage (1min.)	V _{RMS}	2000						
Insulation resistance	Ω	> 10 ⁴ M						
Derating linear	°C	see Table Temperature rise of solder joints						
Climatic category		55/150/56						
Temperature range	°C	- 55 ... 150						
Failure rate (Total, ϑ ₀ max., 60% conf. lev.)	10 ⁻⁹ *h ⁻¹	appr. 100, depends on value						
Endurance (P ₇₀ , 70°C, 1000h)	$\left[\frac{\Delta R}{R} \right]$ %	± 3,0 average						
Damp heat, steady state (40°C, 93% r. h., 56d)	$\left[\frac{\Delta R}{R} \right]$ %	± 2,0						
Climatic sequence	$\left[\frac{\Delta R}{R} \right]$ %	± 2,0						
Resistance to soldering heat (260°C, 10s)	$\left[\frac{\Delta R}{R} \right]$ %	± 0,2 typ.						
Terminal strength	$\left[\frac{\Delta R}{R} \right]$ %	± 1						
Terminal tensile strength	N	50						
Solderability	s	2,5 Flowtime; solderglobule test IEC 60068-2-20-T						
Marking		Printed in clear						

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Temperature rise of solder joint:

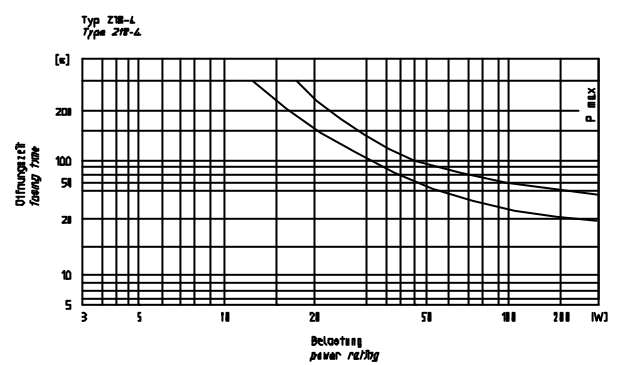
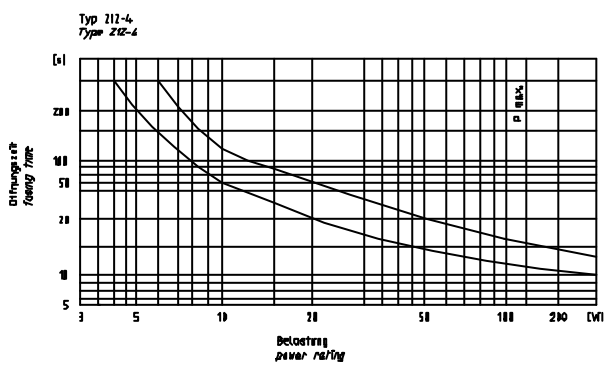
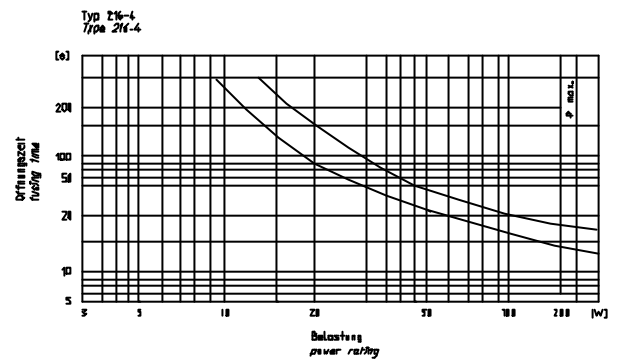
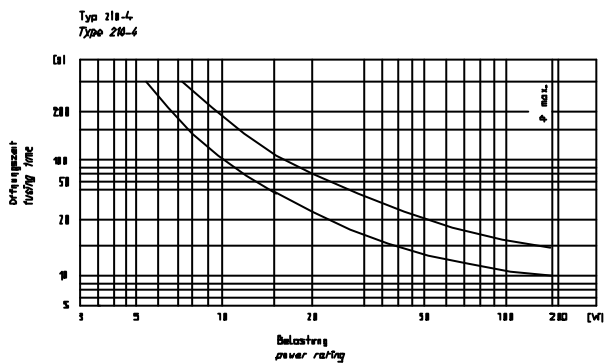
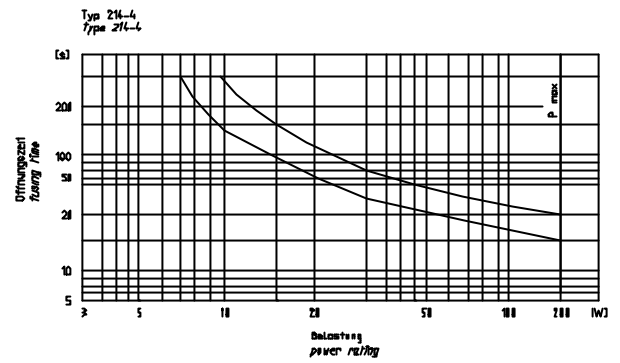
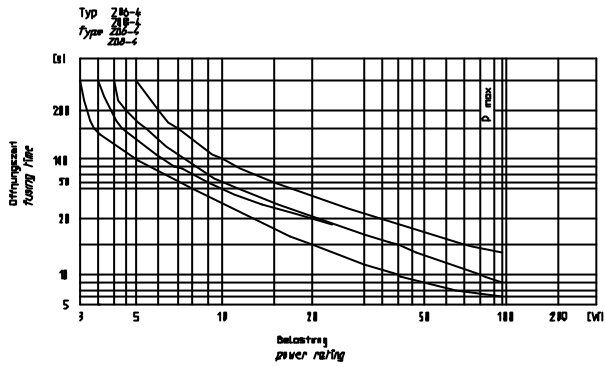


* 6mm, in diesem Bereich eingeschränkte Lötbarkeit
 6mm, reduced solderability in this area

Type	Resistance range		L ₁	ø d
	Min.	Max.		
KF206-4	0R10	9K1	20 ± 1,0	0,6
KF208-4	0R15	15K	25 ± 1,0	0,6
KF210-4	0R33	33K	38 ± 1,0	0,8
KF212-4	0R15	15K	25 ± 1,0	0,6
KF214-4	0R33	33K	38 ± 1,0	0,8
KF216-4	0R51	47K	50 ± 1,5	0,8
KF218-4	0R91	82K	75 ± 2,0	0,8

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Fusing times vs. load:



Series KF

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Packaging:

Type	Packaging	Pieces	Pack.-Code
KF206-4	bulk	100	B
KF208-4	bulk	100	B
KF210-4	bulk	100	B
KF212-4	bulk	100	B
KF214-4	bulk	100	B
KF216-4	bulk	100	B
KF218-4	bulk	100	B

Ordering example:

KF 212-4
Type

5
Tolerance

B
Pack.-Code

1K
R-Value