

Resistor module



Identification		Type	R 6-2004 / FK 6X 3K6
		Part-No.	812004
Product version			
Datasheet version		01	
Use/Application/Properties			
Description		Resistor module equipped with 6 resistors.	
Technical data			
Number of resistances		6	
Resistor		3.6 kΩ / 0.6 W / 1 %	
Technology resistor		Metal film	
General			
Housing material		PC-ABS	
Mounting		DIN rail mountable TS35 (EN 60715)	
Connection type		Push-In single-wire 0.20 – 2.5 mm ² AWG 20 – AWG 14 fine stranded 0.20 – 2.5 mm ² AWG 20 – AWG 12 Stripping length: 8 mm Screwdriver: 3.5 × 0.6 mm	
Rated insulation voltage		AC/DC 300 V (functional insulation)	
Degree of pollution		PD2	
Over voltage category		OV2	
Protection class		IP20	
Operation temperature range		-40 °C ... +70 °C (+85 °C 10 min)	
Storage temperature range		-40 °C ... +85 °C	
Dimensions (w × h × d)		17.5 × 79.0 × 84.0 mm	
Weight		0.06 kg/piece	

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Standards	EN 50155:2007-07: Railway applications – Rolling stock – Electronic equipment EN 50124-1:2001-03: Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment EN 61373:2010-09: Railway applications – Rolling stock equipment – Shock and vibration tests
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Failure Rate Prediction (MTBF)	
Standards	Electronic components – Reliability – Reference conditions for failure rates and stress models for conversion: EN/IEC 61709 Failure Rates of Components – Expected values: SN 29500
Failure rate at +45 °C	8 fit
Failure rate at +45 °C	129802699 h
	1 fit equals one failure per 10 ⁹ component hours
	The indicated temperature is the mean component ambient temperature.
Comments	The results are valid under following conditions: Automotive environment or industrial areas without extreme dust levels and harmful substances Continuous operation 8760 h per year

Miscellaneous	
Comments	The power values specified are the nominal data of the components used. Derating may be necessary in order to prevent thermal overloading.

