

FKS ATO® Style Blade Fuse Rated 80V



Specifications

LWS

UL 248 Special Purpose Fuses

cULus Recognized: File No. E211637

Insulating body: Out of thermoplastic (UL 94-V0, heat-resistant)

Cover: Out of thermoplastic V0

Red, not transparent

Connections: Blade contacts

Copper alloy, gal. Sn

Edge-protected

Breaking capacity: 1,000 A, 80 VDC

The FKS-80 is an ATO style blade fuse rated at 80V, featuring a three part construction with copper contacts for excellent reliability in harsh environment conditions and low voltage drop. Current ratings 3A thru 30A. Filled with arc-quenching material.

FKS-80 ist eine ATO-Flachstecksicherung mit 80V Nennspannung. Merkmale sind dreiteiliger Aufbau mit Kupferkontakten, niedriger Spannungsabfall und hohe Zuverlässigkeit unter rauen Umgebungsbedingungen. Nennstrom 3A bis 30A. Gefüllt mit Lichtbogen löschendem Material.

Time-Current Characteristics / Schmelzeit-Grenzwerte

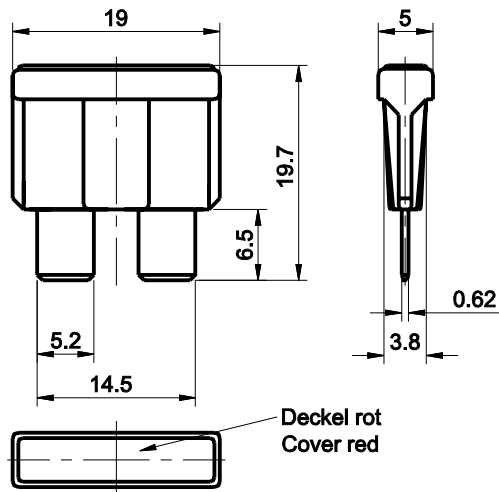
% of Rating % des Nennstromes	Opening Time Min / Max (s) Schmelzcharakteristik Min / Max (s)
110	100 hrs / –
135	500 ms / 300 s
200	150 ms / 20 s
350	40 ms / 500 ms
600	20 ms / 100 ms

Part Number Artikel-Nr.	Current Rating Nennstrom	Housing Color Kennfarbe	Typ. Voltage Drop Typ. Spannungsfall	Cold Resistance Kaltwiderstand	I ² t
166.7000.430_	3 A		145 mV	39.0 mΩ	8.10 A²s
166.7000.440_	4 A		140 mV	29.0 mΩ	14.4 A²s
166.7000.450_	5 A		140 mV	20.6 mΩ	24.3 A²s
166.7000.475_	7.5 A		120 mV	11.5 mΩ	44.5 A²s
166.7000.510_	10 A		110 mV	7.90 mΩ	86.4 A²s
166.7000.515_	15 A		110 mV	4.60 mΩ	162 A²s
166.7000.520_	20 A		110 mV	3.30 mΩ	475 A²s
166.7000.525_	25 A		105 mV	2.27 mΩ	950 A²s
166.7000.530_	30 A		100 mV	1.79 mΩ	1,500 A²s

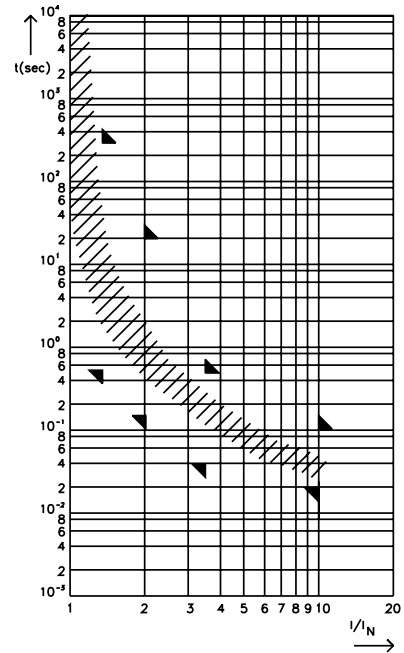
Last figure of part number = packaging code, see Section "Packaging Index," pg. 157.
Corresponding holder see Section "Fuse Holders."

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Dimensions in mm / Maße in mm



Pre-arcing Time - limits / Schmelzzeit-Grenzwerte DIN



FI = 1.43 (max. operating current: $0.7 \times I_{rat}$ at 23°C)