


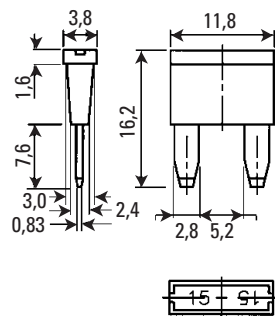
FK1 / No. 168.6785

formerly No. 168



Manufactured by Pudenz 

Dimensions (mm)



ISO 8820, 32V, F

Time-Current Characteristic

Quick Acting (F)

Standards

DIN 72581/3F
ISO 8820
UL 248

Approvals

cULus Recognized: File No. E 211637

Features

Easy plug-in design
Visual fault indication
Reduced footprint
Low internal resistance
High temperature casing

WebLinks

Data Sheet - latest version

www.wickmannusa.com/products/fk1.pdf

Approval Certificates

www.wickmannusa.com/approvals

For Application Information refer to

www.wickmannusa.com/download/fuseology.pdf

Specifications

Packaging Code and Info

2: Bulk (8000 pcs.)

Materials

Body: Color-coded Thermoplastic, UL 94V0
Element: Wire, visible through cover
Cover: Transparent Thermoplastic
Terminals: E-Cu 58 F 30 DIN 1787, gal. Sn 4 µm min., edge protected

Operating Temperature

-40°C to +85°C (consider de-rating)

Stock Conditions

+10°C to +60°C
relative humidity ≤ 75% yearly average, without dew, maximum value for 30 days-95%

Marking

Ⓟ, 32V, Current Rating, Date Code

Unit Weight

0.73g (approx.)

Further Information

Refer to www.pudenz.com

Limits for Pre-arcing Time

Rated Current	$1.1 \times I_{\text{Rated}}$	$1.35 \times I_{\text{Rated}}$	$2.0 \times I_{\text{Rated}}$	$3.5 \times I_{\text{Rated}}$	$6.0 \times I_{\text{Rated}}$
1.00A ... 30.00A	> 100h	750ms ... 30 min	150ms ... 5s	40ms ... 500ms	20ms ... 100ms



Permissible continuous operating current is ≤ 80% at ambient temperature of 23°C (73.4°F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop $1.0 \times I_{\text{Rated}}$ typ. (mV)	Melting Integral $10 \times I_{\text{Rated}}$ typ. (A²s)	Color Code	Approvals
1.00A	410	32V		115	0.83	black	•
2.00A	420	32V		110	3.3	grey	•
3.00A	430	32V		110	7.5	violet	•
4.00A	440	32V		110	17	pink	•
5.00A	450	32V		100	20	light brown	•
7.50A	475	32V	1000A / 32VDC ²	100	45	brown	•
10.00A	510	32V		100	79	red	•
15.00A	515	32V		100	178	light blue	•
20.00A ¹	520	32V		100	331	yellow	
25.00A ¹	525	32V		90	653	white	
30.00A ¹	530	32V		90	1264	light green	

¹ Not mentioned in the standards.

² Breaking capacity ratings per approval agency:
UL: 450 A at 32VDC

Order Information

Qty.	Order-Number	Series	Amp Code	Pack. Code
		168.6785	.	2

Specifications are subject to change without notice.

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