

# Fuses, Delay, Quick & Printed Circuit TECHNICAL DATA AND DIMENSIONS



List No.	Rating: Carrying Amps.	Max. Instant Blowing Current	Max. o/c. Voltage*	Colour Code
F.290/Rating	·060A.	·275A.	250	Black
	·100A.	·350A.	250	Grey
	·150A.	·475A.	150	Red
	·250A.	·700A.	150	Brown
	·500A.	1·7A.	100	Yellow
	·750A.	3·6A.	75	Green
	1·0A.	4·3A.	50	Dk. Blue

\* See Installation Drg. for further details.

List No.	Rating Carrying Amps.	List No.	Rating Carrying Amps.
P.A.K.1	·250A.	P.A.K.4	1·0A.
P.A.K.2	·500A.	P.A.K.5	1·5A.
P.A.K.3	·750A.	P.A.K.6	2·0A.

List No.	Size	Carrying Rating Amps.
F.283/Rating	1 1/4" x 1/4" ø	·05 ·06 ·10 ·15 ·25 ·50 ·65 ·80 1·0 1·5 2·0 3·0 3·5 4·0 5·0
F.312/Rating	1" x 1/4" ø	·50 1·0 1·5 2·0 3·0 5·0
F.310/Rating	3/8" x 3/16" ø	·50 1·0 1·5 2·0
F.286/Rating	20mm x 5mm ø	·10 ·15 ·25 ·50 ·75 1·0 1·5 2·0

Working Temperature 0-50°C. except F.283/0·5A. which is 38°C. max.

List No.	Carrying Amps.	Blowing Current	Max. o/c Voltage
F.160	1·0A.	100% Overload	450
F.161	1·5A.		400
F.162	2·2A.		350
F.163	3·3A.		300
F.164	4·7A.		250
F.165	6·8A.		200
F.166	10·0A.		175
F.167	15·0A.		150
F.168	22·0A.		100

List No.	Fixing	Description	Connections
P.270 and P.300	None Flex Connector, wired into lead (P.270)	Metal cased fuse holders and plug with strong spring contacts	Solder cables to plungers
O.A. Sizes.	P.300:— 0·4" 10·1 mm ø x 1 1/32" 50 mm long. P.270:— ·320" 8·1 mm ø x 3/16" 16·7 mm long.		

Maximum Rating. 5 Amps at 120 Volts if case is earthed, or 15 Amps at 25 Volts. Takes 1" x 1/4" fuses.

## F.290 Fuse-Links

Size 1 1/2" (8·7 mm) x 1/4" (2·8 mm) ø. These Miniature sub-circuit fuses are for Low Voltage applications or where circuit resistance or limiting is such that max. prospective current does not exceed 100 x Rating A.C. or 10 x Rating D.C.

## "Pak" 1-6 Fuse-Links

normally resist surge currents as follows:—

Rating + 75% for approximately 120 secs.  
 Rating + 100-175% for approximately 5-30 secs.  
 Rating + 200% ruptures in > 1 sec.

## F.283, 286, 310 & 312 Fuse Links; Patent No. 721470

Spring Delay Fuses with combined quick elements, to blow on heavy overload, but tolerant to slight or brief overload. This is a special purpose (time-lag or surge-resisting) sub-circuit Fuse-link. And on 200-250V. 'mains' circuits, should be used following primary supply fuses of > 10 times rating (subject to a limit of 25A) and where prospective current (max. fault current) does not exceed 35A. Carrying-rating > 1,000-hrs., blowing at 170% rating within 1 hr., 200% in 5-60 Secs. 300% in > 8 Secs., 500% in > 3 Secs.

## F.160-F.168 Fuse-Links

Suitable for sub-circuits in many types of apparatus and other 100-120V. uses. Element condition visible both blown and unblown. Clearly labelled under mica window. Max. prospective current, 100 x rating A.C., 10 x rating D.C.

## P.270 & 300 Fuse-Links

May be used with 1" x 1/4" ø Fuse-Links up to 15A at 25V., case to other pole if desired. May be employed on some 100-120V. uses, if case is earthed, at 5A. max. Full range of Fuse-Links on pages 16 - 19. Fuse-SLEEVE-INSULATOR provided.