WESTCODE
An IXYS Company

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Data Sheet Issue:- 1

Ultra Rapid Semiconductor Protection Fuse

French Ferrule Type

French Ferrule Fuses
Voltage Rating 700V
Current Rating from 1A to 50A
Size 14x51



Key Features:

- Extremely high interrupting rating fuses protection of power semiconductors as per IEC Standard 60269.1 and 4.
- 660V to 690V voltage rating complying with IEC 33
- Non Magnetic construction
- gR Characteristics with current ratings from 1A to 32A in accordance with VDE 636-23
  - Clearing all overloads
  - Improved safety and protection
  - Enabling selective co-ordination among all distribution circuit fuses
- All models available with or without trip-indicator
- gRC fuses from 8A to 50A are 700VAC-DC UL recognised

Main Characteristics:

Size	Voltage U_N (V)	Ref:		Current rating I_N(A)	Pre-arcing I^2t @ 1 ms I^2t_p(kA^2s)	Total Clearing I^2t @ U_N (kA^2s)	Watt Losses $0.8I_N$	Watt Losses I_N	Tested Interrupting rating
14x51 without trip indicator	690	F070B001N		1	0.31	1.4	0.17	0.35	100kA @ 690V
		F070B002N		2	1	4.3	0.33	0.60	
		F070B004N		4	6.7	30	0.77	1.4	
		F070B006N		6	1.4	19	1.3	2.5	
		F070B008N		8	2.4	30	1.5	3.0	
		F070B010N		10	4.3	44	1.75	3.3	
		F070B012N		12	5.4	65	2.25	4.25	
		F070B016N		16	13	110	2.5	4.8	
		F070B020N		20	27	175	2.75	5.25	
		F070B025N		25	53	300	3.0	5.8	
		F070B032N		32	97	550	3.5	7.0	
		F070B040N		40	210	1210	4.5	8.8	
		F070B050N		50	390	2250	5.0	10	

Size	Voltage U_N (V)	Ref:		Current rating I_N(A)	Pre-arcing I^2t @ 1 ms I^2t_p(kA^2s)	Total Clearing I^2t @ U_N (kA^2s)	Watt Losses $0.8I_N$	Watt Losses I_N	Tested Interrupting rating
14x51 with Trip indicator	690	F070B001S		1	0.8	3.5	0.17	0.35	100kA @ 690V
		F070B002S		2	1.5	6.7	0.33	0.60	
		F070B004S		4	7.2	33	0.77	1.4	
		F070B006S		6	1.4	19	1.3	2.5	
		F070B008S		8	2.4	30	1.5	3.0	
		F070B010S		10	4.3	44	1.75	3.3	
		F070B012S		12	5.4	65	2.25	4.25	
		F070B016S		16	13	110	2.5	4.8	
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Notes: Minimum operating voltage for integrated trip indicator = 20V