WCF05X0 Series

电动汽车熔断器 EV Fuse

产品信息 General Information

额定电压 Rated Voltage	DC500V
额定电流 Rated Current	50A-800A
保护类别 Utilization Category	aR
分断能力 Breaking Capacity	50kA
时间常数 Time Constant	< 3ms
参考标准 Reference Standard	UL248, ISO8820, GB/T31465



产品认证 Certificates

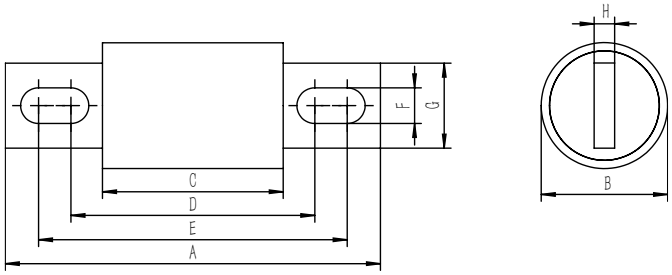
RoHS

产品参数 Parameter

产品型号 Part Number	额定电流 In(A)	尺寸代码 Size type	$I^2t(A^2s)$ 弧前 Prearcing	$I^2t(A^2s)$ 熔断 Clearing	功耗 Loss@0.5In(W)	重量 Weight(g)	安装 Installation
WCF0520-50	50	2	184	410	1.7	83±5	M8 12±1 N·m
WCF0520-60	60		250	560	2.1		
WCF0520-70	70		415	930	2.2		
WCF0520-80	80		560	1260	2.6		
WCF0520-100	100		1000	2250	3		
WCF0520-125	125		1660	3700	3.7		
WCF0520-150	150		2950	6600	4		
WCF0530-125	125	3	1150	2600	4.6	148±10	
WCF0530-150	150		2050	4600	5		
WCF0530-175	175		2950	6600	5.6		
WCF0530-200	200		4000	9000	6.4		
WCF0530-225	225		6300	14200	6.5		
WCF0530-250	250		8200	18500	7		
WCF0530-300	300		11800	26600	8.4		
WCF0530-350	350		21000	47300	8.7		
WCF0530-400	400		26500	59600	10		
WCF0540-250	250	4	6600	14900	7.7	220±10	M10 21±1 N·m
WCF0540-300	300		11800	26600	8.2		
WCF0540-350	350		18500	41600	9		
WCF0540-400	400		25000	56300	10.3		
WCF0540-450	450		36100	81200	11		
WCF0540-500	500		47200	106200	12		
WCF0540-550	550		59700	134300	13.2		
WCF0540-600	600		73700	165800	14.3		
WCF0550-450	450	5	26500	59600	12.7	380±15	
WCF0550-500	500		36100	81200	13.3		
WCF0550-550	550		47200	106200	14.3		
WCF0550-600	600		59700	134300	15.3		
WCF0550-700	700		100400	240000	16.4		
WCF0550-800	800		131100	314000	18.7		

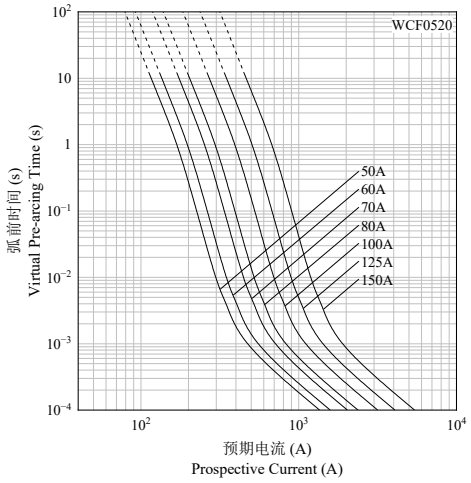
外型尺寸 Dimensions

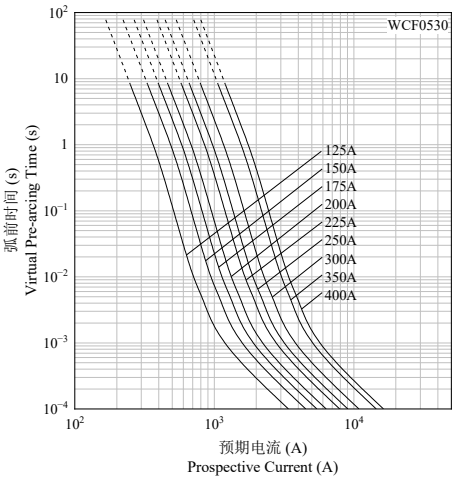
（单位 Unit：mm）

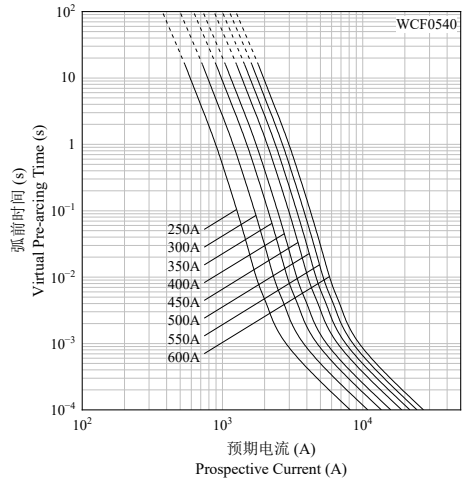


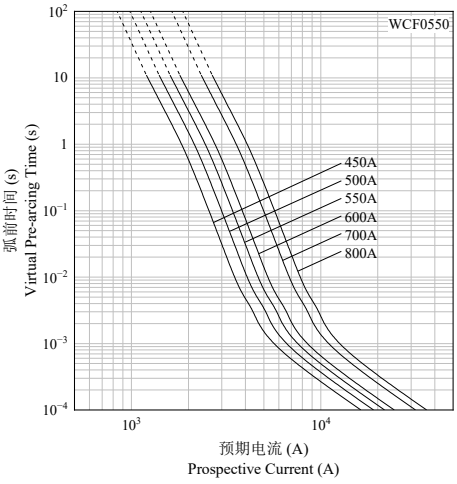
尺寸代码 Size Type	A ±2.0	B ±0.5	C ±1	D ±1.5	E ±1.5	F ±0.5	G ±1	H ±0.5
2	97	24	53	68	82	9	18	3.2
3	97	31	53	68	82	9	22	5
4	110	37	53	71.5	90.5	10.5	25	6
5	110	49	53	71.5	90.5	10.5	38	6

特性曲线 Characteristic Curves









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Product Specification Statement

1.The product specification aims to provide users with a reference regarding various product parameters, performance, and usage. It presents certain aspects of the product's performance in graphical form and is intended solely for users to select product and make product comparisons, enabling users to better understand and evaluate the characteristics and advantages of the product. It does not constitute any commitment, warranty, or guarantee.

2.The product parameters described in the product specification are numerical values, characteristics, and functions obtained through actual testing or theoretical calculations of the product in an independent or ideal state. Due to the complexity of product applications and variations in test conditions and equipment, there may be slight fluctuations in parameter test values. WAYON shall not guarantee that the actual performance of the product when installed in the customer's system or equipment will be entirely consistent with the product specification, especially concerning dynamic parameters. It is recommended that users consult with professionals for product selection and system design. Users should also thoroughly validate and assess whether the actual parameters and performance when installed in their respective systems or equipment meet their requirements or expectations. Additionally, users should exercise caution in verifying product compatibility issues, and WAYON assumes no responsibility for the application of the product.

3.WAYON strives to provide accurate and up-to-date information to the best of our ability. However, due to technical, human, or other reasons, WAYON cannot guarantee that the information provided in the product specification is entirely accurate and error-free. WAYON shall not be held responsible for any losses or damages resulting from the use or reliance on any information in these product specifications. WAYON reserves the right to revise or update the product specification and the products at any time without prior notice, and the user's continued use of the product specification is considered an acceptance of these revisions and updates. Prior to purchasing and using the product, users should verify the above information with WAYON to ensure that the product specification is the most current, effective, and complete. If users are particularly concerned about product parameters, please consult WAYON in detail or request relevant product test reports. Any data not explicitly mentioned in the product specification shall be subject to separate agreement.

4.Users are advised to pay attention to the parameter limit values specified in the product specification and maintain a certain margin in design or application to ensure that the product does not exceed the parameter limit values defined in the product specification. This precaution should be taken to avoid exceeding one or more of the limit values, which may result in permanent irreversible damage to the product, ultimately affecting the quality and reliability of the system or equipment.

5.The design of the product is intended to meet civilian needs and is not guaranteed for use in harsh environments or precision equipment. It is not recommended for use in systems or equipment such as medical devices, aircraft, nuclear power, and similar systems, where failures in these systems or equipment could reasonably be expected to result in personal injury. WAYON shall assume no responsibility for any consequences resulting from such usage.

6.Users should also comply with relevant laws, regulations, policies, and standards when using the product specification. Users are responsible for the risks and liabilities arising from the use of the product specification and must ensure that it is not used for illegal purposes. Additionally, users should respect the intellectual property rights related to the product specification and refrain from infringing upon any third-party legal rights. WAYON shall assume no responsibility for any disputes or controversies arising from the above-mentioned issues in any form.