



DATA SHEET

Power Fuse 5x20mm Time-Lag

Serie: R41014

Power Fuse 5x20mm Time-Lag

Serie No.: **R41014**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.02.2019
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 9



General Information

The Serie R41014 (582) is time-lag type, low breaking capacity fuse and over current protection.

Time-Lag, low breaking capacity under 600VAC/500VDC.

5x20mm physical size.

Ceramic Tube, Silver plated copper cap construction

Designed to IEC 60127-2, Standard Sheet 5

Lead free and Halogen free Material

RoHS compliant and HF

Operating Temperature: -55°C to $+125^{\circ}\text{C}$

Storage Conditions: $+10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$

Relative Humidity: $\leq 75\%$ yearly average without dew, maximum 30 days at 95%

Vibration Resistance:

24 cycles at 15 min. each (60068-6)

10-60Hz at 0,75mm amplitude

60-2000Hz at 10g acceleration

Current / Voltage Rating Table

Order Range Code	Current Rating	Voltage Rating
0500	500mA	600V AC, 400/500V DC
0630	630mA	600V AC, 400/500V DC
0800	800mA	600V AC, 400/500V DC
1100	1,00A	600V AC, 400/500V DC
1125	1,25A	600V AC, 400/500V DC
1160	1,60A	600V AC, 400/500V DC
1200	2,00A	600V AC, 400/500V DC
1250	2,50A	600V AC, 400/500V DC
1315	3,15A	600V AC, 400/500V DC
1400	4,00A	600V AC, 400/500V DC
1500	5,00A	600V AC, 400/500V DC
1630	6,30A	600V AC, 400/500V DC
1800	8,00A	600V AC, 400/500V DC
2100	10,0A	600V AC, 400/500V DC
2120	12,0A	600V AC, 500V DC
2150	15,0A	600V AC, 500V DC
2160	16,0A	600V AC, 500V DC
2200	20,0A	600V AC, 500V DC

Agency	Agency File Number	Ampere/Voltage Range
	E300003	0,1~20A / 600V AC
		0,1~20A / 500V AC
		0,1~10A / 400V AC
	NO.B. 101195-0001	500 AC/DC: 1A, 1,6A, 2A, 3,15A, 4A, 5A, 6,3A, 8A, 10A, 12A, 12,5A, 15A, 16A

Tolerances unless otherwise specified (mm)				
X	X.X	X.XX	X.XXX	Angle
±	±	±	±	±3°
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				Jamy
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Electrical characteristics

AMP Code	Rated Current	Rated Voltage	Breaking Capacity	Typical Voltage DROP (mV)	Typical Pre-Arcing I ² t (A ² Sec)	Approval	
						cURus	TÜV
0500	500mA	600V AC 500V DC 400V DC	200A@600V AC 300A@500V DC 2000A@ 400V DC	190	0,287	▪	
0630	630mA			261	0,34	▪	
0800	800mA			144	1,18	▪	
1100	1,00A			146	1,55	▪	▪
1125	1,25A			138	2,34	▪	
1160	1,60A			105	4,1	▪	▪
1200	2,00A			130	10	▪	▪
1250	2,50A			93	12,5	▪	
1315	3,15A			110	17,8	▪	▪
1400	4,00A			118	25	▪	▪
1500	5,00A			104	50	▪	▪
1630	6,30A			100	80	▪	▪
1800	8,00A			85	179	▪	▪
2100	10,0A			90	400	▪	▪
2120	12,0A	600V AC 500V DC	200A@600V AC 300A@500V DC	80	576	▪	▪
2150	15,0A			75	900	▪	▪
2160	16,0A			68	1024	▪	▪
2200	20,0A			75	1600	▪	

Time vs Current Characteristics Table

(measured with constant current power supply) (according to IEC60127-2)

Rated Current	150%	210%	275%	300%	400%	1000%
500mA ~ 800mA	>1H	-	250ms~80s	<120s	-	-
1A ~3,15A	>1H	<30min.	750ms~80s	-	95ms~ 5s	10ms ~150ms
4A ~ 6,3A	>1H	<30min.	750ms~80s	-	95ms~ 5s	10ms ~150ms
8A ~20A	>30min.	<30min.	750ms~80s	-	95ms~ 5s	10ms ~150ms

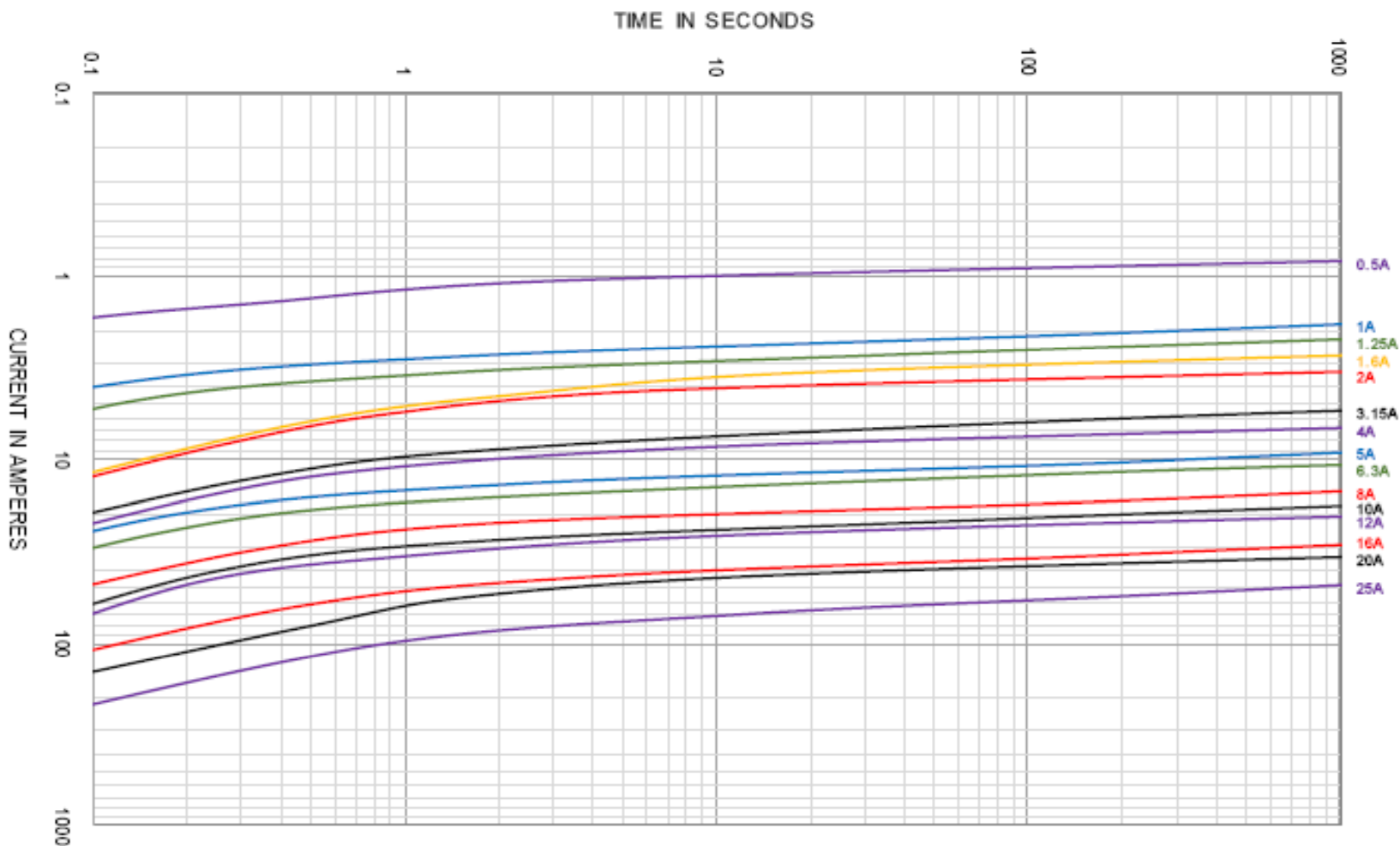
Power Fuse 5x20mm Time-Lag

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Average Time Current (I-T) Curves



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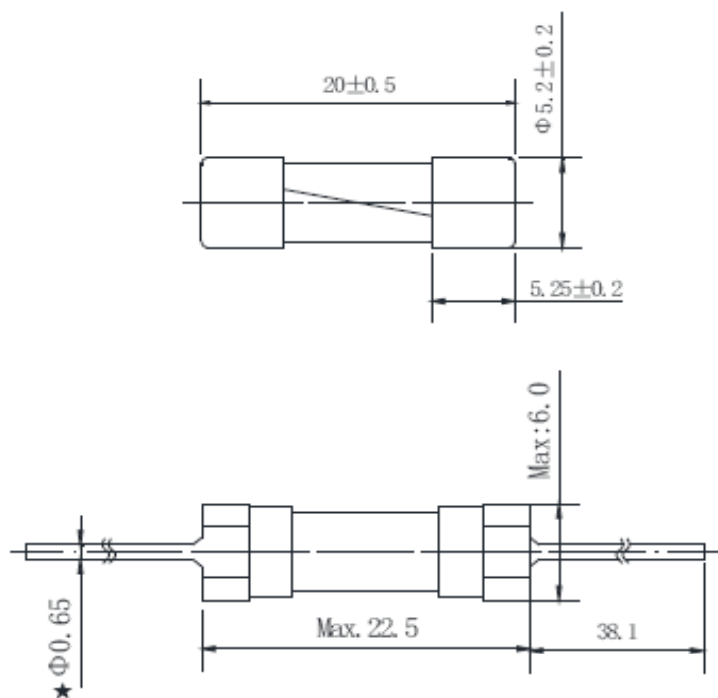
EDCON-COMPONENTS



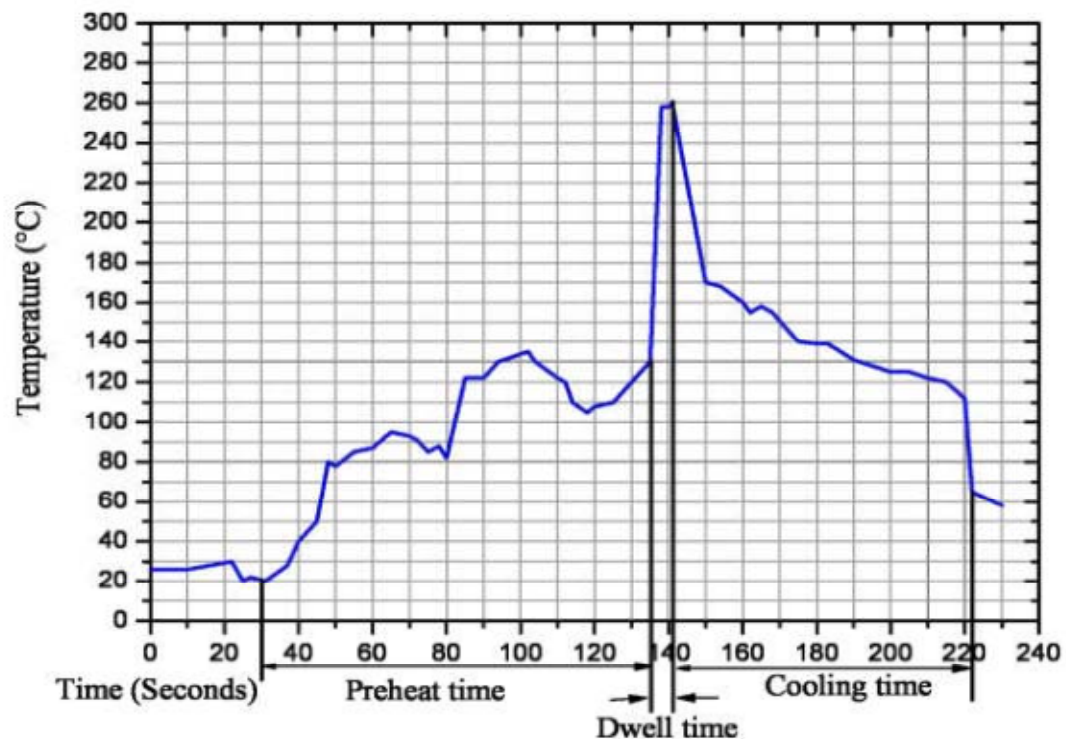
Dimensions

Soldering Parameters

Order Code **00** without Pigtail



Order Code **11** with Pigtail



260°C ≤5 sec. (Wafe Soldering)
 350°C ≤3 sec. (Hand Soldering)
 Soldering Peak
 260°C -10sec. (IEC 60068-20)

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10. APPENDIX



ONLINE CERTIFICATIONS DIRECTORY

JDYX2.E300003

Fuses, Supplemental - Component

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Fuses, Supplemental - Component

See General Information for: Fuses, Supplemental - Component

DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD

Rm 601 Of 16 8K

Xinghuiyuan No. 4 Xinghui Rd

Songshanhe High-tech Industrial Development Zone

Dongguan, Guangdong 523809 CHINA

Supplemental fuses: pigtail leads, fixed-tube

E300003

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
671, 672 or 673, followed by 0.1 - 20, followed by P				
	5.54 x 21.1 (0.22 x 0.83)	0.1 - 20	600Vdc	200
		0.1 - 20	500Vdc	300
		0.1 - 10	400Vdc	2000
		0.1 - 1	600Vdc	1000
671, 673, 675, and 672 followed by 0.1-50 and may followed by suffix P				
	6.76 x 26.5 (0.27 x 1.04)	0.1 - 20	250Vdc	10000
		0.1 - 20	400Vdc	2000
		0.1 - 30	400Vdc	300
		0.1 - 50	75Vdc	2500

Marking: Company name and model designation

Last Updated on 2016-04-21

Questions?

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CERTIFICATE

No. B 101195 0001 Rev. 00

Holder of Certificate: **Dongguan Better Electronics Technology Co., Ltd.**

Room 801 of 16 Block
Xinzhu Yuan, No. 4, Xinzhu Road
Songshanlake Hightech Industrial Development Zone
523808 Dongguan City, Guangdong Province
PEOPLES REPUBLIC OF CHINA



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Part No.: **R41014**

Customer:

Certification Mark:



Product: **Tubular fuses
(Miniature fuse-links for special applications)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 64105180174802B

Valid until: 2023-09-16

Date, 2018-11-02

Boris Ouyang
(Boris Ouyang)



DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.02.2019
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CERTIFICATE

No. B 101195 0001 Rev. 00

Model(s): **571, 582, 573, 574, 575, 571P, 582P, 573P, 574P, 575P**

Parameters:

Rated voltage:	420VAC/DC, 500VAC/DC
Rated current:	1A, 1.6A, 2A, 3.15A, 4A, 5A, 6.3A, 8A, 10A, 12A, 12.5A, 15A, 16A
Rated breaking capacity:	AC: 500A (for rated current 1A, 1.6A, 2A, 3.15A, 4A, 5A, 6.3A, 8A, 10A, power factor≥0.95) AC: 200A (for rated current 12A, 12.5A, 15A, 16A, power factor≥0.95) DC: 1000A (for rated current 1A, 1.6A, 2A, 3.15A, 4A, 5A, 8A, 10A, 12A, 12.5A, 15A, 16A, time constant≤1ms)
Time/current characteristics:	$t_{2s} \leq 1/n \cdot 2 \cdot 1/n$, $t_{6s} \leq 1/s/10/n$
Size:	5 x 20 mm
Altitude:	Not exceed 2000m

Tested according to: EN 60127-1:2006/A2:2015
EN 60127-7:2016

Production Facility(ies): 001319



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EDCON-COMPONENTS



Ordering Informations

Serie	Range	Special function	Voltage	Special function	ROHS	Packing Code				
R41014	0500	N	A	00	R	BU				
xxxx= like Order Range Cade	N= No function	A= 600VAC	00= without PIG-TAIL	R= ROHS Conform	BU= Bulk-Ware					
		B= 500VAC	11= with PIG-TAIL	N= NON ROHS Conform						
		C= 400VAC			IV= Individual Package					
		N= No function								

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