Technical Data 2016

Effective May 2017 Supersedes February 2009

GDC 5 mm x 20 mm Time-delay glass tube fuses



Agency information

- cURus Recognition: Guide JDYX2/JDYX8, File E19180
- IMQ Approval: File E1921, CA03.00530
- MITI/JET: File JET1641-31003-1005

Ordering

- Specify packaging, product, and option code
- With TR2 packaging code, lead wire length is 19.05mm

BUSSMANN SERIES

Product features

- Time-delay, low breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Glass tube, nickel-plated brass endcap construction
- Designed to IEC 60127-2 (32mA-10A)

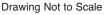
Electrical Characteristics							
	2.1 l _n	2.75 l _n		4 I _n		10 l _n	
l In	max	min	max	min	max	min	max
32mA-100m	A 2 min	200 ms	10 sec	40 ms	3 sec	10 ms	300 ms
125mA-6.3A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms

			Specifications					
	Voltage Interrupting Rating (amps)		Typical DC Typical		Typical	A		
Product Code Rating		at Rated Voltage (50Hz)	Cold Resistance	Melting I ² t	Voltage	Agency Approvals		
	Vac	Vac	(Ω)*	(amps)	Drop (mV)‡	cURus	IMQ	MITI/JET
GDC-32mA	250	35	21.0	0.0051	1050	Х	Х	
GDC-40mA	250	35	13.90	0.0072	920	Х	Х	
GDC-50mA	250	35	9.24	0.0095	800	X X		
GDC-63mA	250	35	6.96	0.021	760	X X		
GDC-80mA	250	35	4.42	0.038	580	Х	Х	
GDC-100mA	250	35	2.80	0.045	490	Х	Х	
GDC-125mA	250	35	1.97	0.063	390	Х	Х	
GDC-160mA	250	35	1.27	0.093	320	Х	Х	
GDC-200mA	250	35	1.00	0.114	340	Х	Х	
GDC-250mA	250	35	0.640	0.265	270	Х	Х	
GDC-315mA	250	35	0.450	0.621	250	Х	Х	
GDC-400mA	250	35	0.31	0.872	210	Х	Х	
GDC-500mA	250	35	0.183	0.827	140	Х	Х	
GDC-630mA	250	35	0.186	1.33	150	Х	Х	
GDC-800mA	250	35	0.129	2.78	75	Х	Х	
GDC-1A	250	35	0.0757	6.45	87.5	Х	Х	Х
GDC-1.25A	250	35	0.060	10.05	86	Х	Х	Х
GDC-1.6A	250	35	0.0425	21.7	82	Х	Х	Х
GDC-2A	250	35	0.03325	31.6	77	Х	Х	Х
GDC-2.5A	250	35	0.0255	59.4	72.5	Х	Х	Х
GDC-3.15A	250	35	0.0185	96.4	68.5	Х	Х	Х
GDC-4A	250	40	0.0139	71.8	67	Х	Х	Х
GDC-5A	250	50	0.00985	142.5	60.5	Х	Х	Х
GDC-6.3A	250	63	0.0071	237.6	54	Х	Х	Х

* DC Cold Resistance (measured at <10% of rated current)
* Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current)



Dimensions - mm



10mm 20mm

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Powerina Business Worldwide

_5.2mm

5.54mn (±.20)

> 0.8mm (REF)

38.10mm

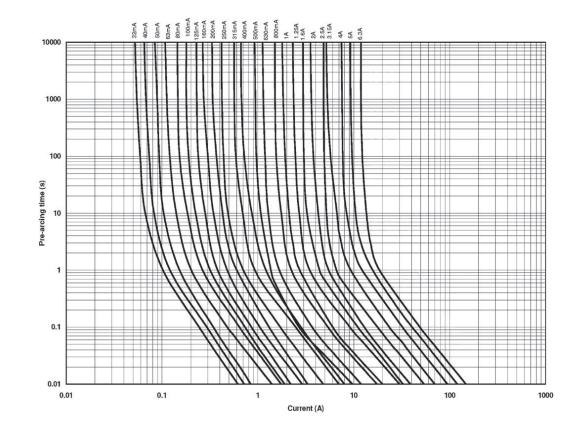
(±.38)

21.10mm (±.81)

38.10mm

(±.38)

Nominal Time-Current Characterisitics of GDC



Packaging Code				
Packaging Code Suffix	Description			
BK	100 fuses packed into a cardboard carton			
BK1	1,000 fuses packed into a poly bag			
TR2	1,500 fuses packed into tape on a reel (19.05mm lead wire length)			
	Option Code			
Option Code	Description			
V	Axial leads - copper tinned wire with nickel plated brass endcaps			

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