DIAZED (BOTTLE)

Diazed Fuses, commonly called "Bottle" Fuses, are available in five sizes, ND to 35 Amps, DII to 35 Amps, DIII to 100 Amps, DIV to 100 Amps and DV to 200 Amps. Fuse accessories are sized to match. Each size fuse body has a different diameter to fit only into the appropriate Screw Cap and Fuse Base. (See illustration pg 10.)

Also, the fuse tips have different diameters, depending on their current rating. The diameter of the tip matches the diameter of the hole in the Adapter Screw to insure that no fuse with a higher rating than intended for the circuit can be installed. This prevents damage to the circuit or equipment the fuse protects. Additionally, fuses and Adapter Screws are color coded to avoid mismatching; for example: 10 Amp Diazed fuses have red pop-out indicators on their head, matching the red ring of the 10 Amp Adapter Screw.

When a Diazed fuse has blown, the color coded indicator on the head of the fuse will pop out, giving visible indication through a glass window in the Screw Cap.

The Fuse is held in place by the Screw Cap, which is screwed into the Fuse Base. Diazed Fuse Bases are available in one and three pole designs. Fuse Bases can be panel mounted or snapped onto a standard 35mm DIN rail.

Operating Classes

gL/gG - Slow Blow
Protect cable, equipment, and conductors from damage due to overloads and short circuits.

Typical Markings: "T", Trage, gL/gG, Vollschutz,

- Fast Blow
Fast Blow fuses are typically used to protect equipment.

Typical Markings: "F", Flink, (the absence of the snail symbol)

gR - Semiconductor Protection
Typically used for protecting semiconductors like diodes, SCRs, etc. Current limiting.

Typical Markings: Ultra Rapid™, Ultra Quick™, Silized™, Recticur™, gR,

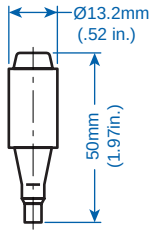
Mostly red, orange, or blue imprint.



ND-E 16

Ordering Information	Current/ Voltage	Cat. No.	Color Code	Std. Pk.
Slow Blow - Operating Class gL/gG (VDE 0636 / IEC 269) Cable, Equipment, and Line Protection, up to 500V AC (660V and 750V available)	2/500V AC	**2D16SB**	Pink	25
	4/500V AC	**4D16SB**	Brown	25
	6/500V AC	**6D16SB**	Green	25
	10/500V AC	**10D16SB**	Red	25
	16/500V AC	**16D16SB**	Gray	25
	20/500V AC	**20D16SB**	Blue	25
	25/500V AC	**25D16SB**	Yellow	25
	30/500V AC	**30D16SB ***	Silver	25
	35/500V AC	**35D16SB ***	Black	25
Fast Blow (CEE-16) - old standard for Equipment Protection, up to 500V AC (750V available)	2/500V AC	**2D16FB**	Pink	25
	4/500V AC	**4D16FB**	Brown	25
	6/500V AC	**6D16FB**	Green	25
	10/500V AC	**10D16FB**	Red	25
	16/500V AC	**16D16FB**	Gray	25
	20/500V AC	**20D16FB**	Blue	25
	25/500V AC	**25D16FB**	Yellow	25
	30/500V AC	**30D16FB ***	Silver	25
	35/500V AC	**35D16FB ***	Black	25
Semiconductor Protection - Operating Class gR (VDE 0636 / IEC 269) Semiconductor Protection, up to 500V AC, 440V DC	2/500V AC	**2D16SC**	Pink	25
	4/500V AC	**4D16SC**	Brown	25
	6/500V AC	**6D16SC**	Green	25
	10/500V AC	**10D16SC**	Red	25
	16/500V AC	**16D16SC**	Gray	25
	20/500V AC	**20D16SC**	Blue	25
	25/500V AC	**25D16SC**	Yellow	25
	30/500V AC	**30D16SC**	Black	25
Screw Cap (pgs 10-11)**		**D16C**		1
Adapter Screw (pgs 10-11)** (Install only with Adapter Screw Tool)		Not Available		
Adapter Screw Tool (pgs 10-11)** (for inserting or removing all Adapter Screws)		Not Available		
Fuse Base, Single Pole (pgs 10-11)**		**D16B**		1
Fuse Base, Three Pole (pgs 10-11)**		**D16B3**		1
Fuse Base Cover, Single Pole (pgs 10-11)**		**D16BC**		1
Fuse Base Cover, Three Pole (pgs 10-11)**		**D16BC3**		1

* Not standard rating.
** Refer to page indicated for additional selection and ordering information.



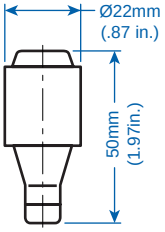
Dimensions to DIN 49360

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DII-E 27

Current/ Voltage	Cat. No.	Color Code	Std. Pk.
2/500V AC	**2D27SB**	Pink	5
4/500V AC	**4D27SB**	Brown	5
6/500V AC	**6D27SB**	Green	5
10/500V AC	**10D27SB**	Red	5
16/500V AC	**16D27SB**	Gray	5
20/500V AC	**20D27SB**	Blue	5
25/500V AC	**25D27SB**	Yellow	5
30/500V AC	**30D27SB***	Silver	5
35/500V AC	**35D27SB***	Black	5
2/500V AC	**2D27FB**	Pink	5
4/500V AC	**4D27FB**	Brown	5
6/500V AC	**6D27FB**	Green	5
10/500V AC	**10D27FB**	Red	5
16/500V AC	**16D27FB**	Grey	5
20/500V AC	**20D27FB**	Blue	5
25/500V AC	**25D27FB**	Yellow	5
30/500V AC	**30D27FB***	Silver	5
35/500V AC	**35D27FB***	Black	5
2/500V AC	**2D27SC**	Pink	5
4/500V AC	**4D27SC**	Brown	5
6/500V AC	**6D27SC**	Green	5
10/500V AC	**10D27SC**	Red	5
16/500V AC	**16D27SC**	Grey	5
20/500V AC	**20D27SC**	Blue	5
25/500V AC	**25D27SC**	Yellow	5
30/500V AC	**30D27SC**	Black	5
	D27C		1
	Refer to pgs 10-11		
	DAT		1
	D27B		1
	D27B3		1
	D27BC		1
	D27BC3		1

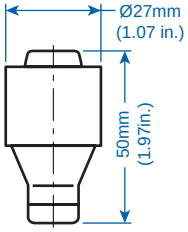


Dimensions to DIN 49515



DIII-E 33

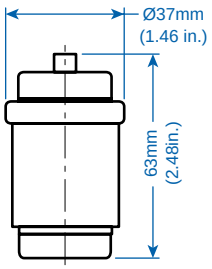
Current/ Voltage	Cat. No.	Color Code	Std. Pk.
35/500V AC	**35D33SB**	Black	5
40/500V AC	**40D33SB***	Black	5
50/500V AC	**50D33SB**	White	5
63/500V AC	**63D33SB**	Copper	5
80/500V AC	**80D33SB***	Silver	5
100/500V AC	**100D33SB***	Silver	5
35/500V AC	**35D33FB**	Black	5
40/500V AC	**40D33FB***	Black	5
50/500V AC	**50D33FB**	White	5
63/500V AC	**63D33FB**	Copper	5
80/500V AC	**80D33FB***	Silver	5
100/500V AC	**100D33FB***	Silver	5
35/500V AC	**35D33SC**	Black	5
50/500V AC	**50D33SC**	White	5
63/500V AC	**63D33SC**	Copper	5
	D33C		1
	Refer to pgs 10-11		
	DAT		1
	D33B		1
	D33B3		1
	D33BC		1
	D33BC3		1



Dimensions to DIN 49515



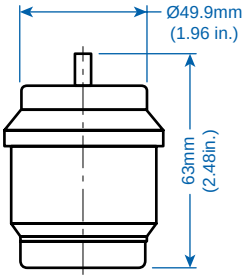
DIV- R 1.25



For DIV fuses, please consult Altech.



DV- R 2



For DV fuses, please consult Altech.

DIAZED AND NEOZED ACCESSORIES

SCREW CAP

The Screw Cap types offered fit the various fuse and Fuse Base sizes. They hold the fuses in place and connect the head of the fuse with the load side of the Fuse Holder. The colored blown fuse indicator on the head of the fuse is clearly visible through a small window in the top of the Screw Cap. A small test hole on the side of the Cap allows for a probe to test if voltage is present on the metallic surface on the head of the fuse.

ADAPTER SCREW / RING

Adapter Screws are used with the Diazed, and Adapter Rings are used with the Neozed Fuses. Three sizes of Screws and Rings are available to fit the diameter of the different size fuse bases. Adapter Screws are porcelain rings with a center hole on one side, a threaded stud on the other and one notch on each side. The inside diameter of the center hole of the Adapter Screw matches the diameter of the tip of the Diazed fuse for which it is intended. This helps to eliminate the insertion of fuses with higher current ratings than allowed. The integral threaded stud installs into the appropriate Diazed Fuse Base. Adapter Screws and Rings are color coded to the fuses.

FUSE BASE

Fuse Bases hold fuses in place (in conjunction with the Screw Cap) and insure proper electrical connections. They snap easily onto standard 35mm DIN rail or can be panel mounted. They are available in one or three pole designs. Matching Covers are available. The line is connected to the metal tab at the bottom of the fuse base. The load is connected to the metal ring into which the Screw Cap is installed.

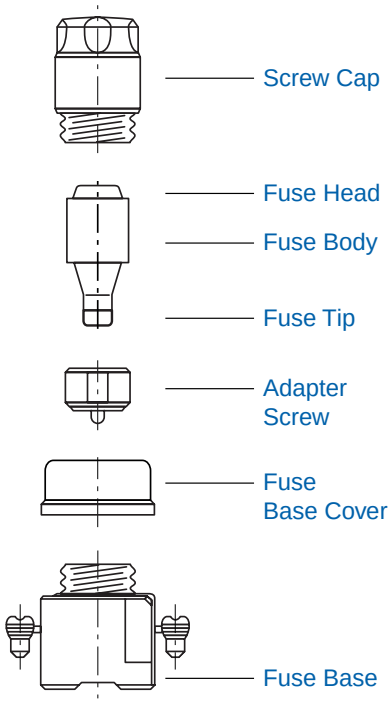
FUSE BASE COVER

Fuse Base Covers are available in one and three pole designs to match the Fuse Bases we offer. They help prevent shock from accidental touching of conducting metal parts on the Base.

TOOLS

The Adapter Screw / Ring Tools aid in the insertion and removal of the Adapters from the Fuse Base. The Adapter Screw Tool fits into notches on the Adapter Screw for the D27 and D33 Diazed fuses. The Adapter Ring Tool fits the Adapter Rings for the D01, D02 and D03 Neozed fuses. We strongly recommend these tools be used when inserting or removing Adapter Screws or Rings to prevent electrical shocks.

The Diazed System





Diazed Screw Cap

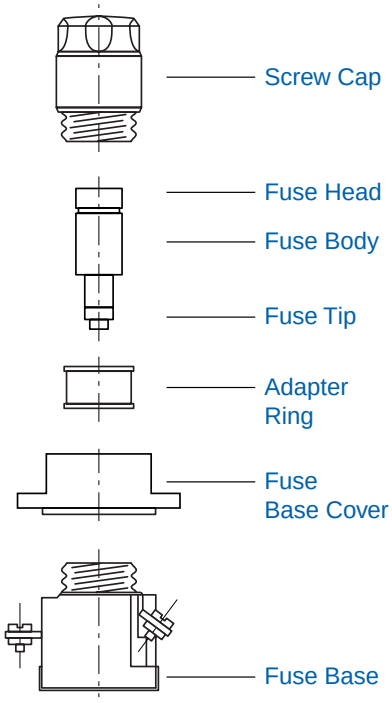
Cat. No.	Approx. Dim. Height	mm (in.) Thread Dia.	Use With Fuse(s)
D16C	34 (1.34)	16 (.63)	ND-E 16
D27C	43 (1.69)	27 (1.06)	DII-E 27
D33C	43 (1.69)	33 (1.30)	DIII-E 33



Diazed Adapter Screw Tool

Cat. No.	Use With Fuse (s)
DAT	DII-E 27, DIII-E 33

The Neozed System





Neozed Screw Cap

Cat. No.	Approx. Dim. Height	mm (in.) Thread Dia.	Use With Fuse(s)
NZ01C	31 (1.22)	14 (.55)	D01
NZ02C	31 (1.22)	18 (.71)	D02
NZ03C	37 (1.46)	30 (1.18)	D03



Neozed Adapter Ring Tool

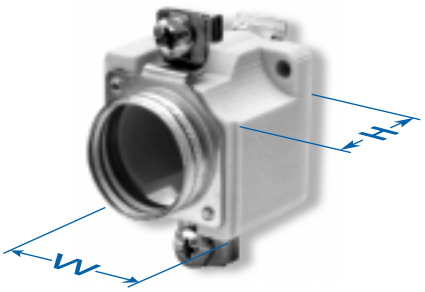
Cat. No.	Use With Fuse(s)
NAT	D01, D02, D03

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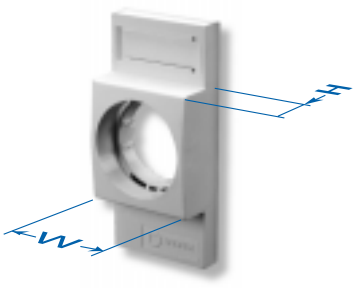
Diazed Adapter Screw

Cat. No.	Current	Color	Use With Fuse(s)
For Fuse Type DII-E 27			
D27AS02	2A	Pink	2D27SB(FB)(SC)
D27AS04	4A	Brown	4D27SB(FB)(SC)
D27AS06	6A	Green	6D27SB(FB)(SC)
D27AS10	10A	Red	10D27SB(FB)(SC)
D27AS16	16A	Gray	16D27SB(FB)(SC)
D27AS20	20A	Blue	20D27SB(FB)(SC)
D27AS25	25A	Yellow	25D27SB(FB)(SC)
Height : 14mm (.55 in.)			
For Fuse Type DIII-E 33			
D33AS35	35A	Black	35D33SB(FB)(SC)
D33AS40	40A	Black	40D33SB(FB)(SC)
D33AS50	50A	White	50D33SB(FB)(SC)
D33AS63	63A	Copper	63D33SB(FB)(SC)
Height : 14mm (.55 in.)			



Diazed Fuse Base

No. of Poles	Cat. No.	Approx. Dim. mm (in.) Height	Width	Use With Fuse(s)
1	**D16B**	45 (1.77)	29 (1.14)	ND-E 16
1	**D27B**	46 (1.81)	38 (1.50)	DII-E 27
1	**D33B**	48 (1.89)	49 (1.93)	DIII-E 33
3	**D27B3**	46 (1.81)	90 (3.54)	DII-E 27
3	**D33B3**	46 (1.81)	109 (4.29)	DIII-E 33



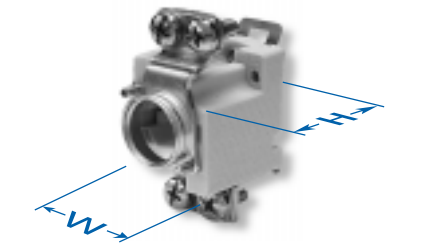
Diazed Fuse Base Cover

No. of Poles	Cat. No.	Approx. Dim. mm (in.) Height	Width	Use With Fuse(s)
1	**D16BC**	20 (.79)	40 (1.57)	ND-E 16
1	**D27BC**	20 (.79)	40 (1.57)	DII-E 27
1	**D33BC**	20 (.79)	49 (1.93)	DIII-E 33
3	**D27BC3**	20 (.79)	90 (3.54)	DII-E 27
3	**D33BC3**	20 (.79)	111 (4.37)	DIII-E 33



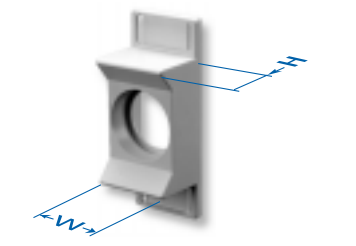
Neozed Adapter Ring

Cat. No.	Current	Color	Use With Fuse(s)
For Fuse Type D01			
NZ01AR02	2A	Pink	2NZ01GL(SC)
NZ01AR04	4A	Brown	4NZ01GL(SC)
NZ01AR06	6A	Green	6NZ01GL(SC)
NZ01AR10	10A	Red	10NZ01GL(SC)
Height : 10mm (.39 in.)			
For Fuse Type D02			
NZ02AR20	20A	Blue	20NZ02GL(SC)
NZ02AR25	25A	Yellow	25NZ02GL(SC)
NZ02AR35	35A	Black	35NZ02GL(SC)
NZ02AR50	50A	White	50NZ02GL(SC)
Height : 10mm (.39 in.)			
For Fuse Type D03			
NZ03AR80	80A	Silver	80NZ03GL(SC)
Height : 10mm (.39 in.)			



Neozed Fuse Base

No. of Poles	Cat. No.	Approx. Dim. mm (in.) Height	Width	Use With Fuse(s)
1	**NZ01B**	42 (1.65)	27 (1.06)	D01
1	**NZ02B**	42 (1.65)	27 (1.06)	D02
1	**NZ03B**	46 (1.81)	44 (1.73)	D03
3	**NZ01B3**	42 (1.65)	81 (3.19)	D01
3	**NZ02B3**	42 (1.65)	81 (3.19)	D02



Neozed Fuse Base Cover

No. of Poles	Cat. No.	Approx. Dim. mm (in.) Height	Width	Use With Fuse(s)
1	**NZ01BC**	23 (.91)	27 (1.06)	D01
1	**NZ02BC**	23 (.91)	27 (1.06)	D02
1	**NZ03BC**	18 (.71)	44 (1.73)	D03
3	**NZ01BC3**	23 (.91)	81 (3.19)	D01
3	**NZ02BC3**	23 (.91)	81 (3.19)	D02