

# 2004 General Catalogue



# DEMEX

ELECTRIC EQUIPMENT PRODUCTION

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

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# NT



**HRC**

Fuse Links

Program

H.R.C. gL-gG

H.R.C. aR

fuse links

Technical date:

**NH**

Sicherungseinsatze

Programm

NH aR-gG

NH aR

Sicherungseinsatze

Technische Beschreibung:

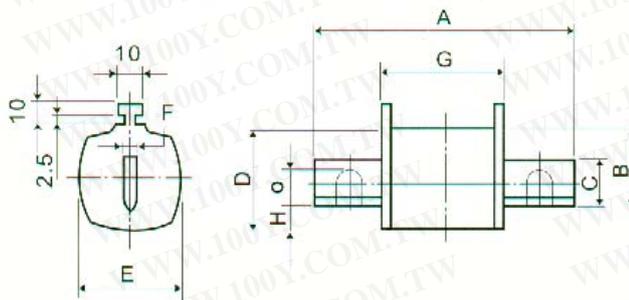
rated voltage $U_N$	Nennspannung $U_N$	500V~
rated currents $I_N$	Nennstromstärken $I_N$	4A--630A
breaking capacity $I_b$	Ausschaltvermögen $I_b$	120kA
fusing characteristic	Betriebsklasse bzw. Charakteristik	gL-gG
standards, publications	Vorschriften, Bestimmungen	IEC 269, VDE 0636 DIN 43620

## Dimensions

## Abmessungen

Type

Typ	A	B	C	D	E	F	G	H
NT00C	78.5	33	15	49	20.5	6	49	6.5
NT00	78.5	33	15	49	29	6	49	11.5
NT1	134	36	21	46	46	6	68	12
NT2	150	48	27	58	58	6	68	13
NT3	150	60	33	67	67	6	68	14



NT1

# NT



**NT00C**    gL-gG    ~500V    aR    ~660V  
**HRC00 C**    gL-gG    ~500V    aR    ~660V

In (A)	Code No. Best. Nr.	Packaging (pcs) Packung (Stck)	Weight (g) Gewicht (g)
4	20 000 01	5/135	120
6	20 000 02	5/135	120
10	20 000 03	5/135	120
16	20 000 04	5/135	120
20	20 000 05	5/135	120
25	20 000 06	5/135	120
32	20 000 07	5/135	120
35	20 000 08	5/135	120
40	20 000 09	5/135	120
50	20 000 10	5/135	120
63	20 000 11	5/135	120
80	20 000 12	5/135	120
100	20 000 13	5/135	120



NT00C

**NT00**    gL-gG    ~500V    aR    ~660V  
**HRC00**    gL-gG    ~500V    aR    ~660V

In (A)	Code No. Best. Nr.	Packaging (pcs) Packung (Stck)	Weight (g) Gewicht (g)
4	20 100 01	3/135	180
6	20 100 02	3/135	180
10	20 100 03	3/135	180
16	20 100 04	3/135	180
20	20 100 05	3/135	180
25	20 100 06	3/135	180
32	20 100 07	3/135	180
35	20 100 08	3/135	180
40	20 100 09	3/135	180
50	20 100 10	3/135	180
63	20 100 11	3/135	180
80	20 100 12	3/135	180
100	20 100 13	3/135	180
125	20 100 14	3/135	180
150	20 100 15	3/135	180
160	21 100 15	3/135	180



NT00

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# NT



NT 1      gL-gG      ~500V      aR      ~660V  
 HRC 1    gL-gG      ~500V      aR      ~660V

In (A)	Code No. Best. Nr.	Packaging (pcs) Packung (Stck)	Weight (g) Gewicht (g)
80	20 200 01	3/48	445
100	20 200 02	3/48	445
125	20 200 03	3/48	445
160	20 200 04	3/48	445
200	20 200 05	3/48	445
224	20 200 06	348	445
250	20 200 07	3/48	445

NT 2      gL-gG      ~500V      aR      ~660V  
 HRC 2    gL-gG      ~500V      aR      ~660V

In (A)	Code No. Best. Nr.	Packaging (pcs) Packung (Stck)	Weight (g) Gewicht (g)
125	20 300 01	1/22	700
160	20 300 02	1/22	700
200	20 300 03	1/22	700
224	20 300 04	1/22	700
250	20 300 05	1/22	700
300	20 300 06	1/22	700
315	20 300 07	1/22	700
355	20 300 08	1/22	700
400	20 300 09	1/22	700

NT 3      gL-gG      ~500V      aR      ~660V  
 HRC 3    gL-gG      ~500V      aR      ~660V

In (A)	Code No. Best. Nr.	Packaging (pcs) Packung (Stck)	Weight (g) Gewicht (g)
315	20 400 01	1/18	1040
355	20 400 02	1/18	1040
400	20 400 03	1/18	1040
425	20 400 04	1/18	1040
500	20 400 05	1/18	1040
630	20 400 06	1/18	1040



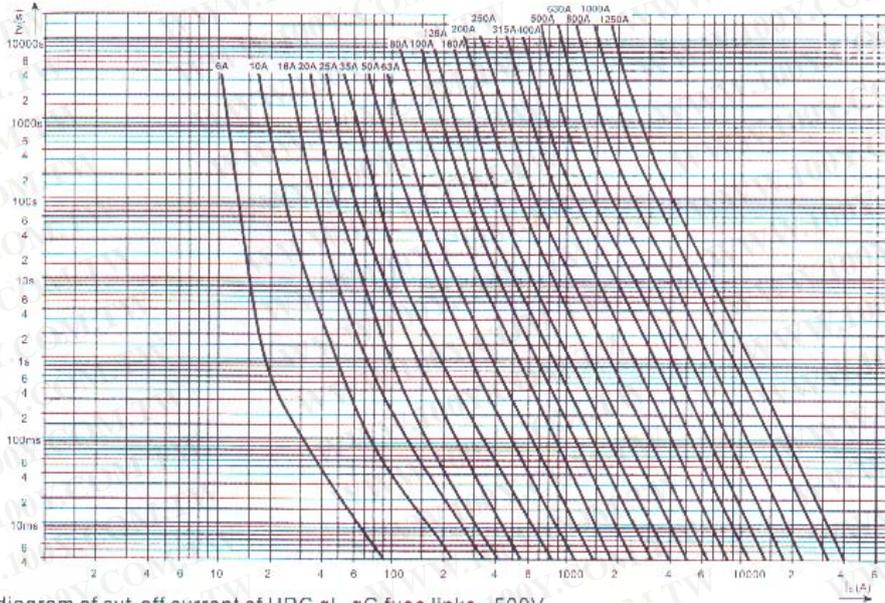
NT1



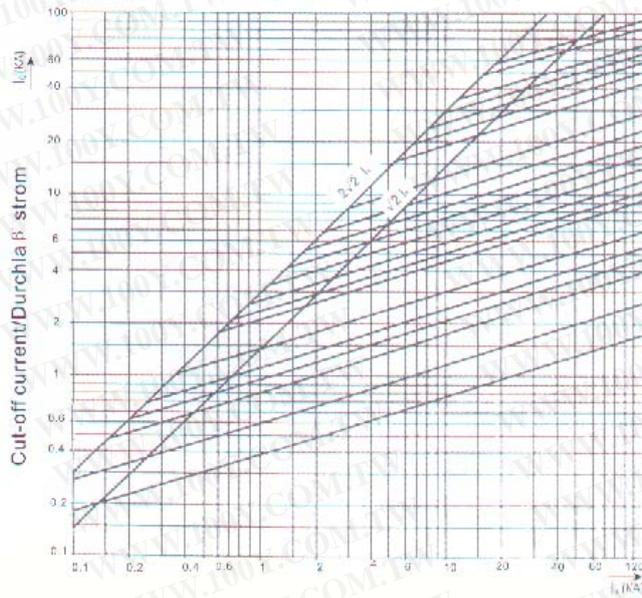
NT2

# NT

Time current characteristics of HRC gL-gG fuse links ~500V,  
 Zeit-Strom-Kennlinien-Diagramm NH gL-gG Sicherungseinsätze ~500V,



The diagram of cut-off current of HRC gL-gG fuse links ~500V  
 Strombegrenzungsdiagramm der NH gL-gG Sicherungseinsätze ~500V



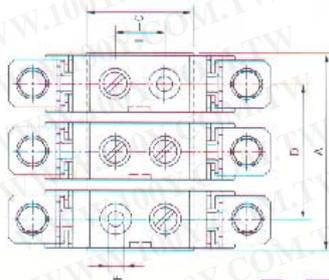
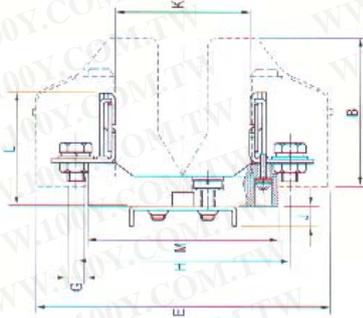
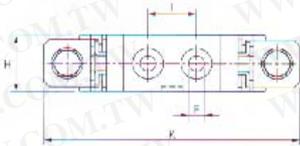
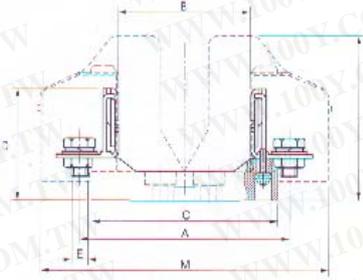
**DEMEX**

Single pole fuse bases  
Three-pole fuse bases

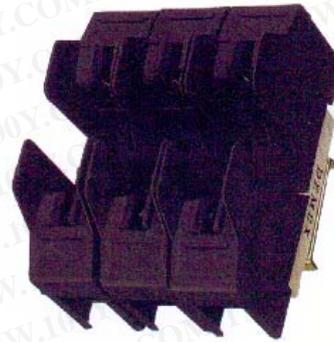
Einpolige Sicherungsunterteile  
Dreipolige Sicherungsunterteile



Type	In (A)	Code No.	Weight (g)	Packaging (pcs)	Dimensions
Typ	Best. Nr.		Gewicht (g)	Packung (Stck)	Abmessungen
					A B C D E F G H I J K L M
DM00/C	160	21 000 01	260	3/120	102 58 94 60 M8 $\phi$ 7.5 33.5 25 123 89 138
DM00/C-3P	160	21 000 02	900	1/16	102 78 54 70 139 $\phi$ 7.5 M8 102 25 10 60 60 94



DM00/C



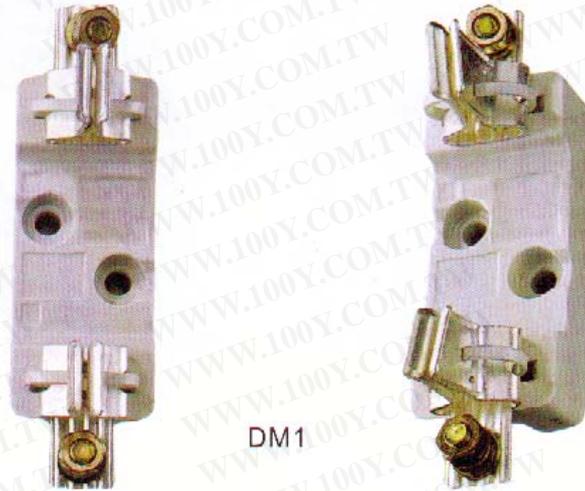
DM00/C-3P

Single pole fuse bases

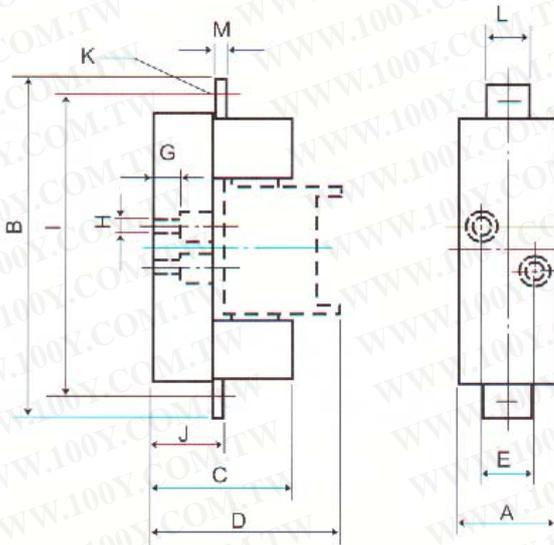
Einpolige Sicherungsunterteile



Type Typ	In (A)	Code No. Best. Nr.	Weight (g) Gewicht (g)	Packaging (pcs) Packung (Stck)	Dimensions Abmessungen
					A B C D E F G H I J K L M
DM1	250	21 000 03	770	1/22	50 104 82 96 35 25 17 10.5 175 38 M10 25 3
Dm2	400	21 000 04	1080	1/14	64 225 98 112 30 25 17 10.5 200 40 M10 30 5
Dm3	630	21 000 05	1330	1/14	64 250 105 120 30 25 17 10.5 210 40.5 M12 40 5.5



DM1



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# D



## Fuse Links Program

## Sicherungseinsätze Programm

R024 NDZ ~500V  
for fuse base E 16

R024 NDZ ~500V  
für Sicherungsunterteile E 16



In (A)	Code No. Best. Nr.	Packaging (pcs) Packung (Stck)	Weight (g) Gewicht (g)	Dimensions Abmessungen	
	g L-g G			OA	OB
2	22 000 01	25/1800	11	12.5	6
4	22 000 02	25/1800	11	12.5	6
6	22 000 03	25/1800	11	12.5	6
10	22 000 04	25/1800	11	12.5	8
16	22 000 05	25/1800	11	12.5	10
20	22 000 07	25/1800	11	12.5	12
25	22 000 08	25/1800	11	12.5	12

R021 DII ~500V  
for fuse base E 27

R021 DII ~500V  
für Sicherungsunterteile E 27

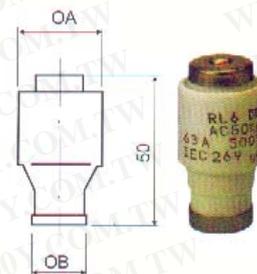
2	22 100 01	5/800	29	21	6
4	22 100 02	5/800	29	21	6
6	22 100 03	5/800	29	21	6
10	22 100 04	5/800	29	21	8
16	22 100 05	5/800	29	21	10
20	22 100 07	5/800	29	21	12
25	22 100 08	5/800	29	21	14



R022 DIII ~500V  
for fuse base E 33

R022 DIII ~500V  
für Sicherungsunterteile E 33

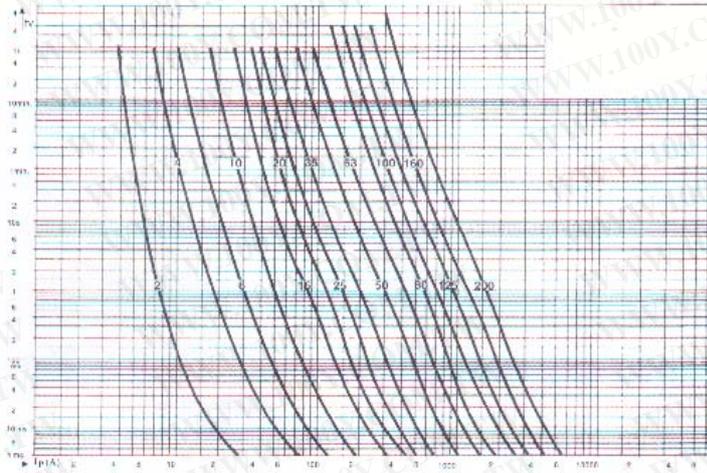
35	22 200 01	5/500	50	27	16
50	22 200 02	5/500	50	27	18
63	22 200 03	5/500	50	27	20



# DEMEX

D

CE



Fusing characteristic of gL-gG fuse links typ D  
Zeit-Stromkennlinien für gL-gG Schmelzeinsätze typ D

### Fuse Carriers (Handles)

■ **Application**

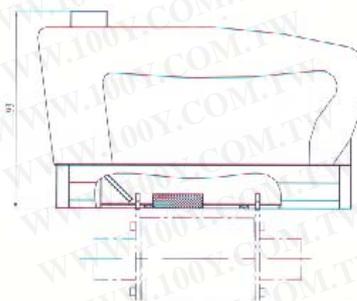
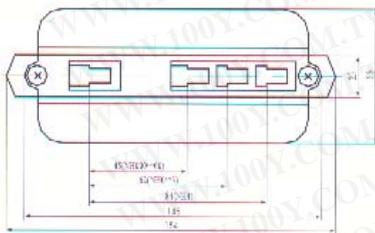
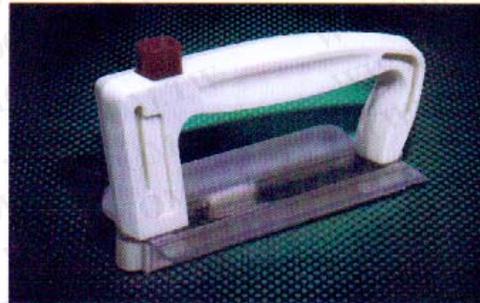
Uploading and downloading of NH000-NH4 insertion type fuses of all sizes to and from the bases. Reliable insulation. Safe and convenient operation. Small manual power requirements.  
Rated insulate voltage up to 1000V.  
Working frequency 50Hz AC

■ **Design Features**

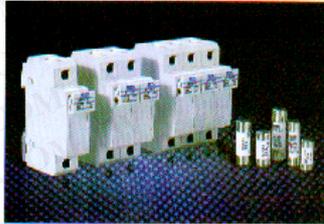
The fuse carrier is made up of catching holes, push button, guard board and handle. There are three positions for the catching holes, for NH000-NH00, NH0-NH3, and NH4 fuses.

■ **Basic Data**

Rated insulate voltage up to 1000V.  
Working frequency 50Hz AC  
See Figure 14.1 for dimensions  
Matching fuse sizes: NH000-NH4



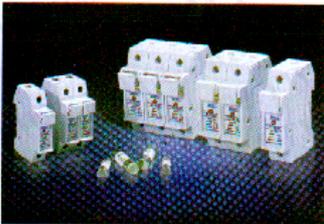
**DIMENSIONS:FUSE CARRIERS AND FUSE**



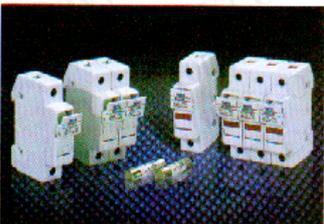
RT18C-32



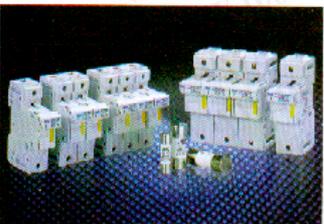
RT18N-32



RT18-32X



RT18M-32(X)-UL APPROVED



RT18-63X

The RT18C-32, RT18N-32, RT18-32X and RT18M-32X are the carriers for the 10.3 x 38 cartridge fuses.

RT18m-32(x) are UL approved type carrier. The RT18-63x and RT18-63L are fuse Carrier for the 14 x 51 cartridge fuse the ampere range is up to 63 Amp. For RT18 Series, 10.3 x 38 fuse range is up to 32 Amp

The RT18N-32 provide two in/out lines, providing a power cutting function, The neutral line is isolated when replacing the fuse link.

The carriers and fuse links comply to IEC 269-1, IEC 269-2, IEC 269-2-1 and IEC 947-3. The carriers and fuse links are CE approved type and comply to rated voltage of 500VAC with working frequency of 50/60 Hz.

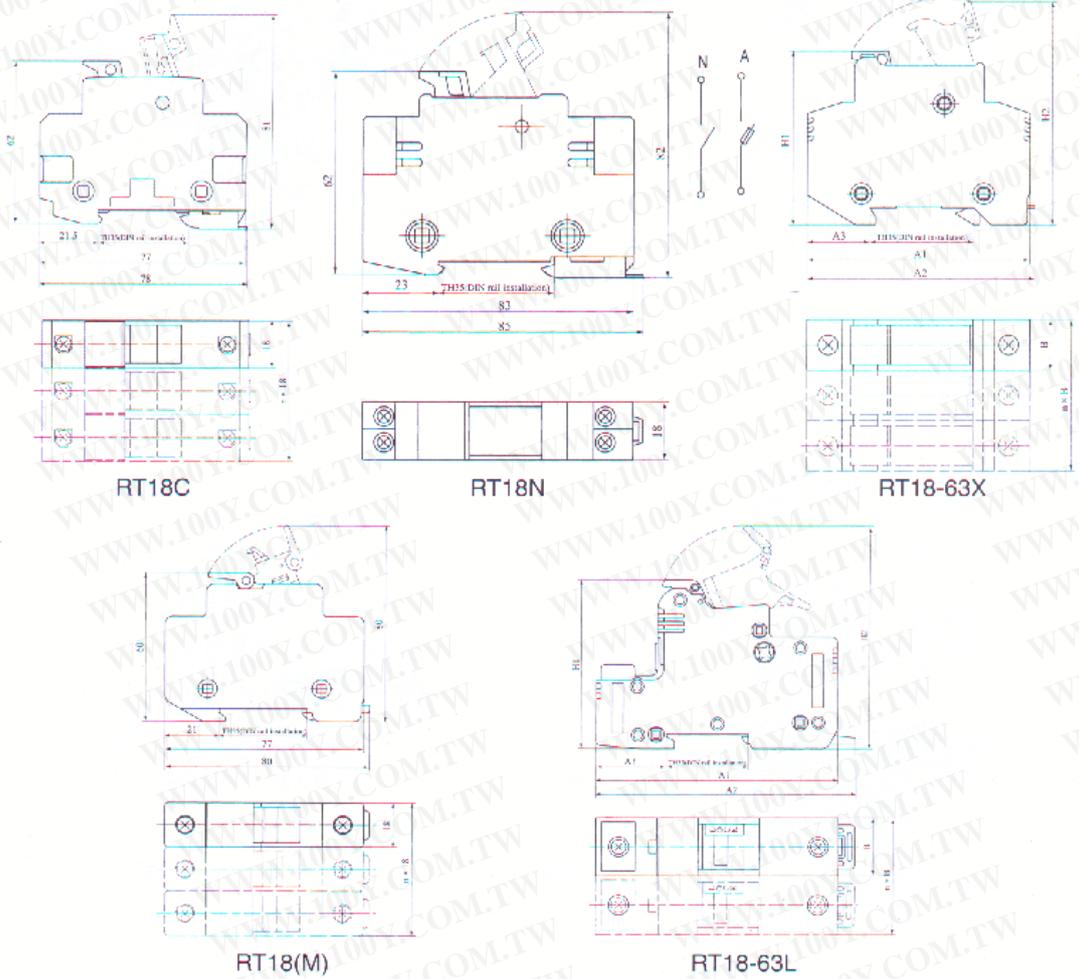
They are capable of working under heat caused by rated current and expected short impacting current of up to 100KA. The carrier contacts are of silver coated copper material.

The DEMEX cartridge fuses are made from high duty ceramic and filled with chemically treated high-purity quartz sand acting as arc-extinguishing medium. Dot welding of fuse element to the silver coated copper cap ensures reliable connection.

The DEMEX fuse carriers case are plastic injected with fire resistance and self-extinguishing material with CE approval. The base are formed by welding and can be used on DIN rail.

**DIMENSIONS:FUSE CARRIERS AND FUSE**

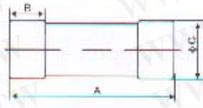
MODEL CARRIERS	FUSE LINK SIZES	RATED VOLTAGE(V)	RATED CURRENT(A)	A1 MM	A2 MM	B MM	H1 MM	H2 MM	WEIGHT (G)
RT18C-32	DIA.10.3x38	500	32	77	78	18	62	81	56
RT18N-32	DIA.10.3x38	500	32	79	80	18	62	82	59
RT18-32X	DIA.10.3x38	500	32	79	80	18	62	80	59
RT18M-32X	DIA.10x38	500	32	77	80	18	60	80	66
RT18-63X	DIA.14x51	500	63	103	105	27	80	110	192
RT18-63L	DIA.14x51	500	63	108	115	27	78	100	113.5





## REFERENCES OF 500V AC CYLINDRICAL FUSES

gL-gG aM aR TYPE



SIZE	A	B	φC
10X38	38	9	10.3

SIZE	Rated Current	Code NO. Best. Nr.	Packaging(pcs) Packung(Stck)
10X38	1A	103801	10/2000
	2A	103802	10/2000
	3A	103803	10/2000
	4A	103804	10/2000
	5A	103805	10/2000
	6A	103806	10/2000
	8A	103808	10/2000
	10A	103810	10/2000
	12A	103812	10/2000
	16A	103816	10/2000
	20A	103820	10/2000
	25A	103825	10/2000
	32A	103832	10/2000

## REFERENCES OF 500V AC CYLINDRICAL FUSES

gL-gG aM aR TYPE



SIZE	A	B	φC
14X51	51	12	14.3

SIZE	Rated Current	Code NO. Best. Nr.	Packaging(pcs) Packung(Stck)
14X51	1A	145101	10/2000
	2A	145102	10/2000
	3A	145103	10/2000
	4A	145104	10/2000
	5A	145105	10/2000
	6A	145106	10/2000
	8A	145108	10/2000
	10A	145110	10/2000
	12A	145112	10/2000
	16A	145116	10/2000
	20A	145120	10/2000
	25A	145125	10/2000
	30A	145130	10/2000
	35A	145135	10/2000
	40A	145140	10/2000
	45A	145145	10/2000
	50A	145150	10/2000
63A	145163	10/2000	