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Product Catalogue

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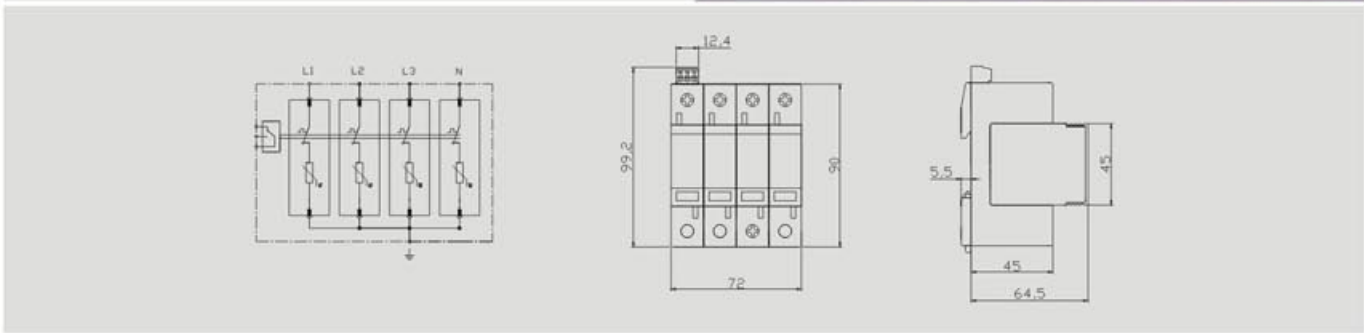


Type 2 Surge Arrester 二级电涌保护器

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BR385-40 4P

Type 2 Surge Arrester
二级电涌保护器



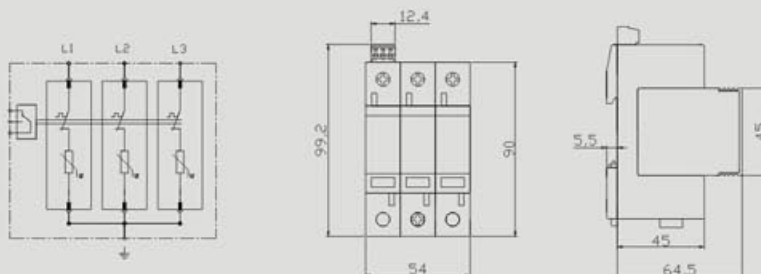
□ 4 pole surge arrester is suitable for TN-S system.
4P 电涌保护器适用于TN-S系统。

	BR150 40 4	BR275 40 4	BR32040 4	BR385 40 4	BR440 40 4
SPD classification according to IEC61643-11	Type 2	Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II	Class II	Class II	Class II
Max. continuous operating a.c. voltage U_c	150V	275V	320V	385V	440V
Nominal discharge current (8/20 μ s) I_n	20kA	20kA	20kA	20kA	20kA
Max. discharge current (8/20 μ s) I_{max}	40kA	40kA	40kA	40kA	40kA
Voltage protection level U_p	$\leq 0.8kV$	$\leq 1.3kV$	$\leq 1.5kV$	$\leq 1.8kV$	$\leq 2.0kV$
Voltage protection level 5kA U_p	$\leq 0.6kV$	$\leq 1kV$	$\leq 1.2kV$	$\leq 1.4kV$	$\leq 1.6kV$
Max. backup fuse	125A gL	125A gL	125A gL	125A gL	125A gL
Response time t_A	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$
Operating temperature range T_u	$-40^{\circ}C-80^{\circ}C$	$-40^{\circ}C-80^{\circ}C$	$-40^{\circ}C-80^{\circ}C$	$-40^{\circ}C-80^{\circ}C$	$-40^{\circ}C-80^{\circ}C$
Operating state/fault indication	green/red	green/red	green/red	green/red	green/red
Cross-section area (Min.)	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail				
Enclosure material	Thermalplastic UL94-V0				
Degree of protection	IP20	IP20	IP20	IP20	IP20
Order Code	B8401	B8403	B8405	B8407	B8409
Order Code (With remote signaling)	B8402	B8404	B8406	B8408	B8410



BR385-40 3P

Type 2 Surge Arrester
二级电涌保护器



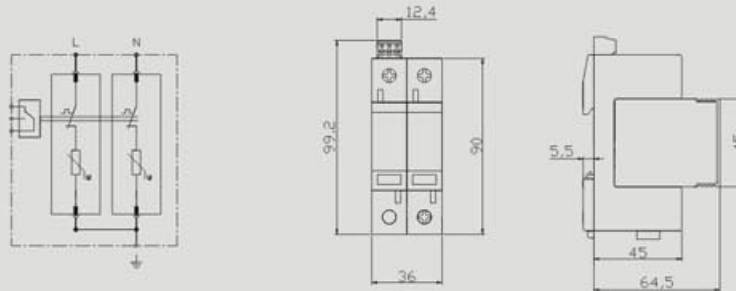
- 3 pole surge arrester is suitable for TN-C system.
3P 电涌保护器适用于TN-C系统。

	BR150 40 3	BR275 40 3	BR32040 3	BR385 40 3	BR440 40 3
SPD classification according to IEC61643-11	Type 2	Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II	Class II	Class II	Class II
Max. continuous operating a.c. voltage U _c	150V	275V	320V	385V	440V
Nominal discharge current (8/20 μs) I _n	20kA	20kA	20kA	20kA	20kA
Max. discharge current (8/20 μs) I _{max}	40kA	40kA	40kA	40kA	40kA
Voltage protection level U _p	≤0.8kV	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV
Voltage protection level 5kA U _p	≤0.6kV	≤1kV	≤1.2kV	≤1.4kV	≤1.6kV
Max. backup fuse	125A gL	125A gL	125A gL	125A gL	125A gL
Response time t _A	≤25ns	≤25ns	≤25ns	≤25ns	≤25ns
Operating temperature range T _u	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication	green/red	green/red	green/red	green/red	green/red
Cross-section area (Min.)	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail				
Enclosure material	Thermalplastic UL94-V0				
Degree of protection	IP20	IP20	IP20	IP20	IP20
Order Code	B8301	B8303	B8305	B8307	B8309
Order Code (With remote signaling)	B8302	B8304	B8306	B8308	B8310



BR385-40 2P

Type 2 Surge Arrester
二级电涌保护器



- 2 pole surge arrester is suitable for TN-C system.
2P 电涌保护器适用于TN-C系统。

	BR150 40 2	BR275 40 2	BR32040 2	BR385 40 2	BR440 40 2
SPD classification according to IEC61643-11	Type 2	Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II	Class II	Class II	Class II
Max. continuous operating a.c. voltage Uc	150V	275V	320V	385V	440V
Nominal discharge current (8/20 μ s) In	20kA	20kA	20kA	20kA	20kA
Max. discharge current (8/20 μ s) I _{max}	40kA	40kA	40kA	40kA	40kA
Voltage protection level Up	≤0.8kV	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV
Voltage protection level 5kA Up	≤0.6kV	≤1kV	≤1.2kV	≤1.4kV	≤1.6kV
Max. backup fuse	125A gL	125A gL	125A gL	125A gL	125A gL
Response time t _A	≤25ns	≤25ns	≤25ns	≤25ns	≤25ns
Operating temperature range Tu	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication	green/red	green/red	green/red	green/red	green/red
Cross-section area (Min.)	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail				
Enclosure material	Thermalplastic UL94-V0				
Degree of protection	IP20	IP20	IP20	IP20	IP20
Order Code	B8201	B8203	B8205	B8207	B8209
Order Code (With remote signaling)	B8202	B8204	B8206	B8208	B8210

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8
YEAR
WARRANTY!

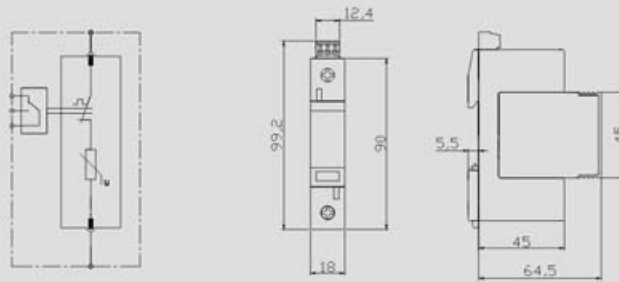
120V
208V
System

230V
400V
System

T2

BR385-40 1P

Type 2 Surge Arrester
二级电涌保护器



		BR150 40 1	BR275 40 1	BR32040 1	BR385 40 1	BR440 40 1
SPD classification according to IEC61643-11		Type 2	Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-1		Class II	Class II	Class II	Class II	Class II
Max. continuous operating a.c. voltage	Uc	150V	275V	320V	385V	440V
Nominal discharge current (8/20 μ s)	In	20kA	20kA	20kA	20kA	20kA
Max. discharge current (8/20 μ s)	I _{max}	40kA	40kA	40kA	40kA	40kA
Voltage protection level	Up	0.8kV	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV
Voltage protection level 5kA	Up	≤0.6kV	≤1kV	≤1.2kV	≤1.4kV	≤1.6kV
Max. backup fuse		125A gL	125A gL	125A gL	125A gL	125A gL
Response time	t _A	≤25ns	≤25ns	≤25ns	≤25ns	≤25ns
Operating temperature range	T _u	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication		green/red	green/red	green/red	green/red	green/red
Cross-section area (Min.)		2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²
Cross-section area (Max.)		35mm ²	35mm ²	35mm ²	35mm ²	35mm ²
For mounting on		35mm Din rail				
Enclosure material		Thermalplastic UL94-V0				
Degree of protection		IP20	IP20	IP20	IP20	IP20
Order Code		B8101	B8103	B8105	B8107	B8109
Order Code (With remote signaling)		B8102	B8104	B8106	B8108	B8110

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8
YEAR
WARRANTY!

120V
208V
System

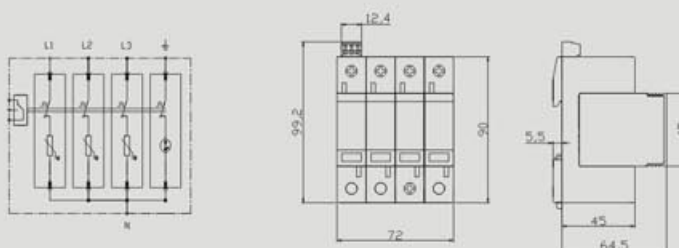
230V
400V
System

T2

BR385-40 3+1

Type 2 Surge Arrester

二级电涌保护器

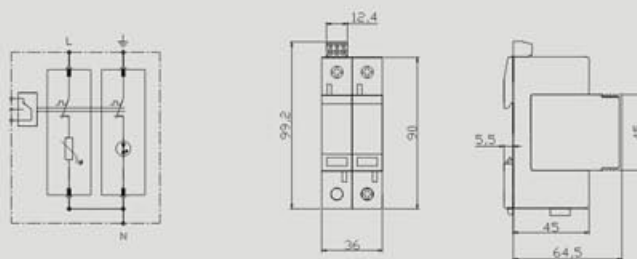


- 3 pole plus NPE surge arrester is suitable for TT system, they can also be used in TN-S system.
3+1 电涌保护器适用于TT和TN-S系统。

	BR275 40 3+1	BR320 40 3+1	BR385 40 3+1
SPD classification according to IEC61643-11	Type 2	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II	Class II
Max. continuous operating a.c. voltage U _c	275V	320V	385V
Max. continuous operating a.c. voltage [N-PE] U _c	255V	255V	255V
Nominal discharge current (8/20 μs) I _n	20kA	20kA	20kA
Max. discharge current (8/20 μs) I _{max}	40kA	40kA	40kA
Voltage protection level U _p	≤1.3kV	≤1.5kV	≤1.8kV
Voltage protection level 5kA U _p	≤1kV	≤1.2kV	≤1.4kV
Voltage protection level [N-PE] U _p	≤1.5kV	≤1.5kV	≤1.5kV
Follow current extinguishing capability [N-PE] a.c. I _{fi}	100Arms	100Arms	100Arms
Max. backup fuse	125A gL	125A gL	125A gL
Response time t _A	≤25ns	≤25ns	≤25ns
Response time [N-PE] t _A	≤100ns	≤100ns	≤100ns
Operating temperature range T _u	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	2.5mm ²	2.5mm ²	2.5mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail		
Enclosure material	Thermalplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B8453	B8455	B8457
Order Code (With remote signaling)	B8454	B8456	B8458

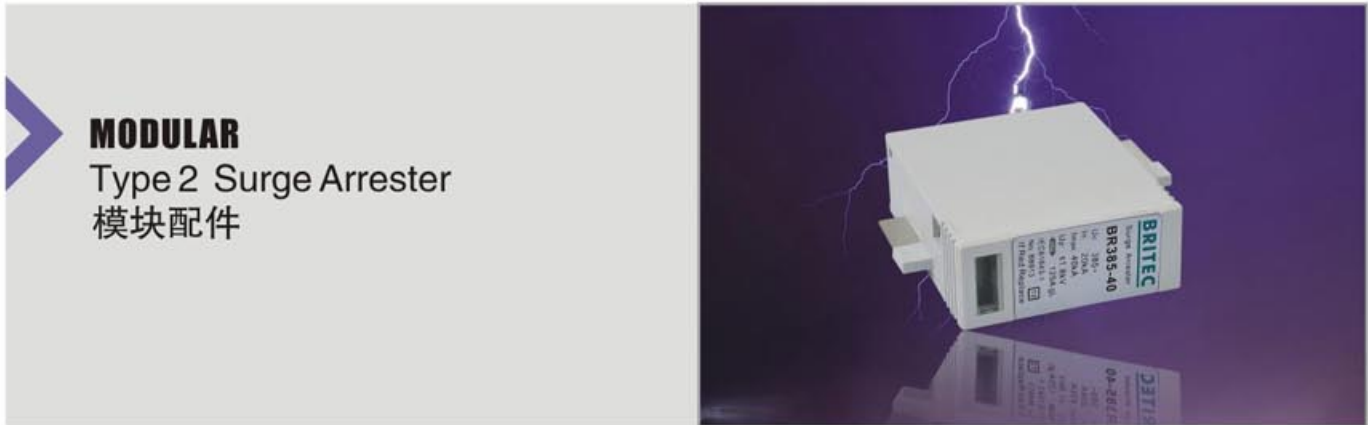
BR385-40 1+1

Type 2 Surge Arrester
二级电涌保护器



- Single pole plus NPE surge arrester is suitable for single phase TT and TN system.
1+1 电涌保护器适用于TT和TN系统。

	BR275 40 1+1	BR320 40 1+1	BR385 40 1+1
SPD classification according to IEC61643-11	Type 2	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II	Class II
Max. continuous operating a.c. voltage U_c	275V	320V	385V
Max. continuous operating a.c. voltage [N-PE] U_c	255V	255V	255V
Nominal discharge current (8/20 μ s) I_n	20kA	20kA	20kA
Max. discharge current (8/20 μ s) I_{max}	40kA	40kA	40kA
Voltage protection level U_p	$\leq 1.3kV$	$\leq 1.5kV$	$\leq 1.8kV$
Voltage protection level 5kA U_p	$\leq 1kV$	$\leq 1.2kV$	$\leq 1.4kV$
Voltage protection level [N-PE] U_p	$\leq 1.5kV$	$\leq 1.5kV$	$\leq 1.5kV$
Follow current extinguishing capability [N-PE] a.c. I_{fi}	100Arms	100Arms	100Arms
Max. backup fuse	125A gL	125A gL	125A gL
Response time t_A	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$
Response time [N-PE] t_A	$\leq 100ns$	$\leq 100ns$	$\leq 100ns$
Operating temperature range T_u	$-40^{\circ}C - 80^{\circ}C$	$-40^{\circ}C - 80^{\circ}C$	$-40^{\circ}C - 80^{\circ}C$
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	2.5mm ²	2.5mm ²	2.5mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail	35mm Din rail	35mm Din rail
Enclosure material	Thermalplastic UL94-V0		
Degree of protection	IP20	IP20	IP20
Order Code	B8253	B8255	B8257
Order Code (With remote signaling)	B8254	B8256	B8258



- These plug-in modular forms the surge arrester with relevant bases.
模块和底座组成电涌保护器。

	BR MOD 150 40	BR MOD 275 40	BR MOD 320 40	BR MOD 385 40	BR MOD 440 40
SPD classification according to IEC61643-11	Type 2	Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-1	Class II	Class II	Class II	Class II	Class II
Max. continuous operating a.c. voltage U_c	150V	275V	320V	385V	440V
Nominal discharge current (8/20 μ s) I_n	20kA	20kA	20kA	20kA	20kA
Max. discharge current (8/20 μ s) I_{max}	40kA	40kA	40kA	40kA	40kA
Voltage protection level U_p	$\leq 0.8kV$	$\leq 1.3kV$	$\leq 1.5kV$	$\leq 1.8kV$	$\leq 2.0kV$
Voltage protection level 5kA U_p	$\leq 0.6kV$	$\leq 1.0kV$	$\leq 1.2kV$	$\leq 1.4kV$	$\leq 1.6kV$
Response time t_A	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$
Operating temperature range T_u	$-40^\circ C - 80^\circ C$	$-40^\circ C - 80^\circ C$	$-40^\circ C - 80^\circ C$	$-40^\circ C - 80^\circ C$	$-40^\circ C - 80^\circ C$
Operating state/fault indication	green/red	green/red	green/red	green/red	green/red
Enclosure material	Thermalplastic UL94-V0				
Order Code	B8910	B8911	B8912	B8913	B8914

MODULAR

Type 2 Surge Arrester 模块配件



- B8951 is suitable for I_{max} 40kA modular to form 1+1 or 3+1 products.
以下模块和底座组成NPE电涌保护器。

MOD NPE		BR MOD NPE 40	BR MOD NPE 80
SPD according to EN 61643 - 11		Type 2	Type 2
SPD according to IEC 61643-1		Class II	Class II
Max. continuous operating a.c. voltage	U _c	255V	255V
Nominal discharge current (8/20 μ s)	I _n	20kA	40kA
Max. discharge current (8/20 μ s)	I _{max}	40kA	80kA
Voltage protection level	U _p	≤1.5kV	≤1.5kV
Follow current extinguishing capability [N-PE]		100Arms	100Arms
Response time	t _A	≤100ns	≤100ns
Operating temperature range	T _u	-40°C-80°C	-40°C-80°C
Operating state/fault indication		green/red	green/red
Enclosure material		Thermalplastic UL94-V0	Thermalplastic UL94-V0
Degree of protection		IP20	IP20
Order Code		B8950	B8952



BASE Type 2 Surge Arrester 底座



- Total 12 types of bases are available to form the whole range of our products.
共有12种底座可供选择。

BASE	BR T2 BASE 3	BR T2 BASE 4	BR T2 BASE 3+1	BR T2 BASE 2	BR T2 BASE 1+1	BR T2 BASE 1
Operating temperature range TU	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C
Cross sectional area (min.)	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²	2.5mm ²
Cross sectional area (max.)	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail					
Enclosure material	Thermal plastic UL94-V0					
Degree of protection	IP20	IP20	IP20	IP20	IP20	IP20
Order Code	B8981	B8983	B8985	B8987	B8989	B8991
Order Code (with remote signal)	B8982	B8984	B8986	B8988	B8990	B8992



Surge Arrester and their accessories

Product type code	Order code	Modular type code	Order code	Product type code	Order code	Modular type code	Order code
BR T2 3 F150 40	B8301	BR T2 MOD 150 40	B8910	BR T2 3 F385 40	B8307	BR T2 MOD 385 40	B8913
BR T2 3 F150 40 RS	B8302	BR T2 MOD 150 40	B8910	BR T2 3 F385 40 RS	B8308	BR T2 MOD 385 40	B8913
BR T2 4 F150 40	B8401	BR T2 MOD 150 40	B8910	BR T2 4 F385 40	B8407	BR T2 MOD 385 40	B8913
BR T2 4 F150 40 RS	B8402	BR T2 MOD 150 40	B8910	BR T2 4 F385 40 RS	B8408	BR T2 MOD 385 40	B8913
BR T2 2 F150 40	B8201	BR T2 MOD 150 40	B8910	BR T2 3+1 F385 40	B8455	BR T2 MOD 385 40	B8913
BR T2 2 F150 40 RS	B8202	BR T2 MOD 150 40	B8910			BR T2 MOD NPE 60	B8951
BR T2 1 F150 40	B8501	BR T2 MOD 150 40	B8910	BR T2 3+1 F385 40 RS	B8456	BR T2 MOD 385 40	B8913
BR T2 1 F150 40 RS	B8502	BR T2 MOD 150 40	B8910			BR T2 MOD NPE 60	B8951
				BR T2 2 F385 40	B8207	BR T2 MOD 385 40	B8913
				BR T2 2 F385 40 RS	B8208	BR T2 MOD 385 40	B8913
				BR T2 1+1 F385 40	B8255	BR T2 MOD 385 40	B8913
						BR T2 MOD NPE 60	B8951
				BR T2 1+1 F385 40 RS	B8256	BR T2 MOD 385 40	B8913
						BR T2 MOD NPE 60	B8951
				BR T2 1 F385 40	B8507	BR T2 MOD 385 40	B8913
				BR T2 1 F385 40 RS	B8508	BR T2 MOD 385 40	B8913
BR T2 3 F275 40	B8303	BR T2 MOD 275 40	B8911	BR T2 3 F440 40	B8309	BR T2 MOD 440 40	B8914
BR T2 3 F275 40 RS	B8304	BR T2 MOD 275 40	B8911	BR T2 3 F440 40 RS	B8310	BR T2 MOD 440 40	B8914
BR T2 4 F275 40	B8403	BR T2 MOD 275 40	B8911	BR T2 4 F440 40	B8409	BR T2 MOD 440 40	B8914
BR T2 4 F275 40 RS	B8404	BR T2 MOD 275 40	B8911	BR T2 4 F440 40 RS	B8410	BR T2 MOD 440 40	B8914
BR T2 3+1 F275 40	B8453	BR T2 MOD 275 40	B8911	BR T2 3+1 F440 40	B8455	BR T2 MOD 440 40	B8914
		BR T2 MOD NPE 60	B8951			BR T2 MOD NPE 60	B8951
BR T2 3+1 F275 40 RS	B8454	BR T2 MOD 275 40	B8911	BR T2 3+1 F440 40 RS	B8456	BR T2 MOD 440 40	B8914
		BR T2 MOD NPE 60	B8951			BR T2 MOD NPE 60	B8951
BR T2 2 F275 40	B8203	BR T2 MOD 275 40	B8911	BR T2 2 F440 40	B8209	BR T2 MOD 440 40	B8914
BR T2 2 F275 40 RS	B8204	BR T2 MOD 275 40	B8911	BR T2 2 F440 40 RS	B8210	BR T2 MOD 440 40	B8914
BR T2 1+1 F275 40	B8253	BR T2 MOD 275 40	B8911	BR T2 1+1 F440 40	B8255	BR T2 MOD 440 40	B8914
		BR T2 MOD NPE 60	B8951			BR T2 MOD NPE 60	B8951
BR T2 1+1 F275 40 RS	B8254	BR T2 MOD 275 40	B8911	BR T2 1+1 F440 40 RS	B8256	BR T2 MOD 440 40	B8914
		BR T2 MOD NPE 60	B8951			BR T2 MOD NPE 60	B8951
BR T2 1 F275 40	B8503	BR T2 MOD 275 40	B8911	BR T2 1 F440 40	B8509	BR T2 MOD 440 40	B8914
BR T2 1 F275 40 RS	B8504	BR T2 MOD 275 40	B8911	BR T2 1 F440 40 RS	B8510	BR T2 MOD 440 40	B8914
BR T2 3 F320 40	B8305	BR T2 MOD 320 40	B8912	BR T2 1 F600 40	B8509	BR T2 MOD 600 40	B8915
BR T2 3 F320 40 RS	B8306	BR T2 MOD 320 40	B8912	BR T2 1 F600 40 RS	B8510	BR T2 MOD 600 40	B8915
BR T2 4 F320 40	B8405	BR T2 MOD 320 40	B8912				
BR T2 4 F320 40 RS	B8406	BR T2 MOD 320 40	B8912				
BR T2 3+1 F320 40	B8455	BR T2 MOD 320 40	B8912				
		BR T2 MOD NPE 60	B8951				
BR T2 3+1 F320 40 RS	B8456	BR T2 MOD 320 40	B8912				
		BR T2 MOD NPE 60	B8951				
BR T2 2 F320 40	B8205	BR T2 MOD 320 40	B8912				
BR T2 2 F320 40 RS	B8206	BR T2 MOD 320 40	B8912				
BR T2 1+1 F320 40	B8255	BR T2 MOD 320 40	B8912				
		BR T2 MOD NPE 60	B8951				
BR T2 1+1 F320 40 RS	B8256	BR T2 MOD 320 40	B8912				
		BR T2 MOD NPE 60	B8951				
BR T2 1 F320 40	B8505	BR T2 MOD 320 40	B8912				
BR T2 1 F320 40 RS	B8506	BR T2 MOD 320 40	B8912				