



Miniature Circuit Breakers

G60

IEC 60898	6000
	3
IEC 60947-2	10kA

Special executions G60S for Shipping application in separate document.

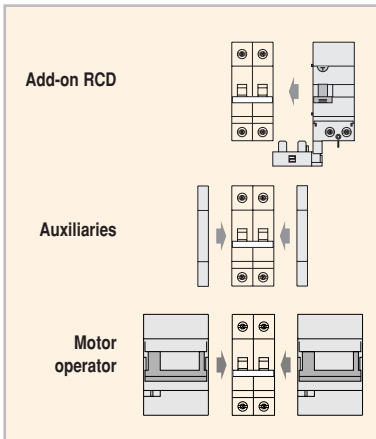
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
- Panel board switch ● pg C.6
- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Performances

Thermal setting I_n	(A) 2-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage U_{B min}	(V) 12
Tripping characteristics	B-C-D
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm²)	25-35
Poles	1, 1+N, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60898

Poles	V	I _{cn} /I _{cs} (kA)
1-4	230/400	6

AC acc. to IEC 60947-2

Poles	V	I _{cu} (kA)*
1	240	10
1+N, 2	127	30
	240	20
2	415	10
3, 4	240	20
	415	10

*I_{cs} = 75% I_{cu}

DC acc. to IEC 60947-2

Poles	V $\overline{\text{---}}$ **	I _{cu} /I _{cs} (kA)
1	60	20
2	125	25

**Nominal and Maximum VDC on page A.4-A.5

Series G60 - 6kA - characteristics B-C-D



**1P
1 mod.**



In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2			G61C02	674598	G61D02	674760	12
4			G61C04	674600	G61D04	674762	12
6	G61B06	674692	G61C06	674601	G61D06	674763	12
10	G61B10	674694	G61C10	674603	G61D10	674765	12
16	G61B16	674696	G61C16	674605	G61D16	674767	12
20	G61B20	674697	G61C20	674606	G61D20	674768	12
25	G61B25	674698	G61C25	674607	G61D25	674769	12
32	G61B32	674699	G61C32	674608	G61D32	674770	12
40	G61B40	674700	G61C40	674609	G61D40	674771	12
50	G61B50	674701	G61C50	674610	G61D50	674772	12
63	G61B63	674702	G61C63	674611	G61D63	674773	12



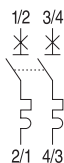
**1P+N
2 mod.**



2			G61NC02	674614	G61ND02	674776	6
4			G61NC04	674616	G61ND04	674778	6
6	G61NB06	674703	G61NC06	674617	G61ND06	674779	6
10	G61NB10	674705	G61NC10	674619	G61ND10	674781	6
16	G61NB16	674707	G61NC16	674621	G61ND16	674783	6
20	G61NB20	674708	G61NC20	674622	G61ND20	674784	6
25	G61NB25	674709	G61NC25	674623	G61ND25	674785	6
32	G61NB32	674710	G61NC32	674624	G61ND32	674786	6
40	G61NB40	674711	G61NC40	674625	G61ND40	674787	6
50	G61NB50	674712	G61NC50	674626	G61ND50	674788	6
63	G61NB63	674713	G61NC63	674627	G61ND63	674789	6



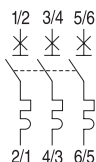
**2P
2 mod.**



2			G62C02	674630	G62D02	674792	6
4			G62C04	674632	G62D04	674794	6
6	G62B06	674714	G62C06	674633	G62D06	674795	6
10	G62B10	674716	G62C10	674635	G62D10	674797	6
16	G62B16	674718	G62C16	674637	G62D16	674799	6
20	G62B20	674719	G62C20	674638	G62D20	674800	6
25	G62B25	674720	G62C25	674639	G62D25	674801	6
32	G62B32	674721	G62C32	674640	G62D32	674802	6
40	G62B40	674722	G62C40	674641	G62D40	674803	6
50	G62B50	674723	G62C50	674642	G62D50	674804	6
63	G62B63	674724	G62C63	674643	G62D63	674805	6



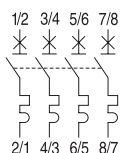
**3P
3 mod.**



2			G63C02	674646	G63D02	674808	4
4			G63C04	674648	G63D04	674810	4
6	G63B06	674725	G63C06	674649	G63D06	674811	4
10	G63B10	674727	G63C10	674651	G63D10	674813	4
16	G63B16	674729	G63C16	674653	G63D16	674815	4
20	G63B20	674730	G63C20	674654	G63D20	674816	4
25	G63B25	674731	G63C25	674655	G63D25	674817	4
32	G63B32	674732	G63C32	674656	G63D32	674818	4
40	G63B40	674733	G63C40	674657	G63D40	674819	4
50	G63B50	674734	G63C50	674658	G63D50	674820	4
63	G63B63	674735	G63C63	674659	G63D63	674821	4

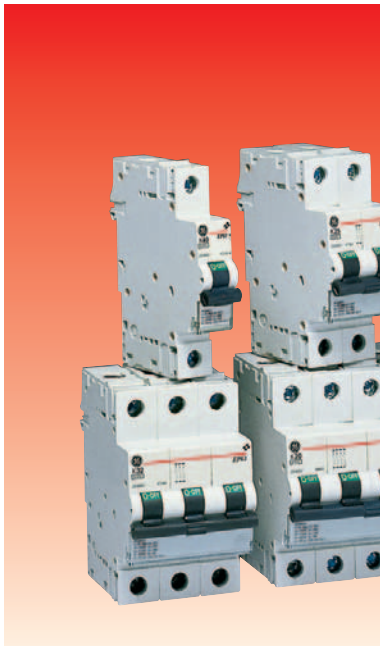


**4P
4 mod.**



0.5			G64C0.5	674660			3
2			G64C02	674662	G64D02	674824	3
4			G64C04	674664	G64D04	674826	3
6	G64B06	674736	G64C06	674665	G64D06	674827	3
10	G64B10	674738	G64C10	674667	G64D10	674829	3
16	G64B16	674740	G64C16	674669	G64D16	674831	3
20	G64B20	674741	G64C20	674670	G64D20	674832	3
25	G64B25	674742	G64C25	674671	G64D25	674833	3
32	G64B32	674743	G64C32	674672	G64D32	674834	3
40	G64B40	674744	G64C40	674673	G64D40	674835	3
50	G64B50	674745	G64C50	674674	G64D50	674836	3
63	G64B63	674746	G64C63	674675	G64D63	674837	3





Miniature Circuit Breakers

EP60

IEC 60898 6000

IEC 60947-2 10kA

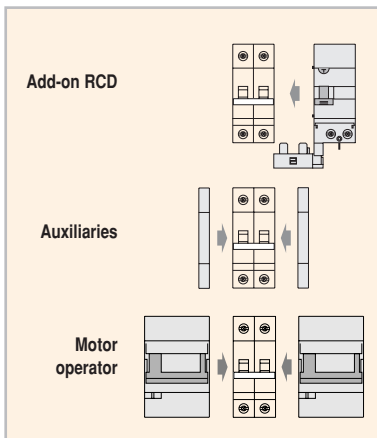
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
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- Motor operator ● pg C.8

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Performances

Thermal setting I_n	(A) 2-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage $U_{B \min}$	(V) 12
Tripping characteristics	8-12 I_n (K) and 6 I_n non tripping ≤ 2 sec.
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm ²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60947-2

Poles	V	I_{cu} (kA)*
1	240	10
1+N, 2	127	30
	240	20
2	415	10
3, 4	240	20
	415	10

* $I_{cs} = 75\% I_{cu}$

DC acc. to IEC 60947-2

Poles	V --- **	I_{cu}/I_{cs} (kA)
1	60	20
2	125	25

**Nominal and Maximum VDC on page A.4-A.5

Series EP60 - 6kA - characteristics K



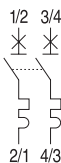
1P
1 mod.



In (A)	K		Pack.
	Cat. No.	Ref. No.	
0.5	EP61K0,5	681600	12
1	EP61K01	681601	12
1.6	EP61K1,6	681602	12
2	EP61K02	681603	12
3	EP61K03	681604	12
4	EP61K04	681605	12
6	EP61K06	681606	12
8	EP61K08	681607	12
10	EP61K10	681608	12
16	EP61K16	681609	12
20	EP61K20	681610	12
25	EP61K25	681611	12
32	EP61K32	681612	12
40	EP61K40	681613	12
50	EP61K50	681614	12
63	EP61K63	681615	12



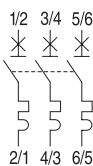
2P
2 mod.



0.5	EP62K0,5	681616	6
1	EP62K01	681617	6
1.6	EP62K1,6	681618	6
2	EP62K02	681619	6
3	EP62K03	681620	6
4	EP62K04	681621	6
6	EP62K06	681622	6
8	EP62K08	681623	6
10	EP62K10	681624	6
16	EP62K16	681625	6
20	EP62K20	681626	6
25	EP62K25	681627	6
32	EP62K32	681628	6
40	EP62K40	681629	6
50	EP62K50	681630	6
63	EP62K63	681631	6



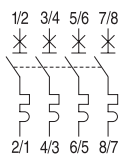
3P
3 mod.



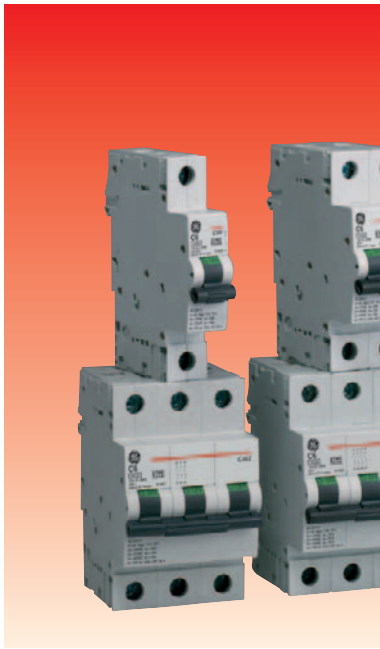
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1	EP63K01	681633	4
1.6	EP63K1,6	681634	4
2	EP63K02	681635	4
3	EP63K03	681636	4
4	EP63K04	681637	4
6	EP63K06	681638	4
8	EP63K08	681639	4
10	EP63K10	681640	4
16	EP63K16	681641	4
20	EP63K20	681642	4
25	EP63K25	681643	4
32	EP63K32	681644	4
40	EP63K40	681645	4
50	EP63K50	681646	4
63	EP63K63	681647	4



4P
4 mod.



0.5	EP64K0,5	681648	3
1	EP64K01	681649	3
1.6	EP64K1,6	681650	3
2	EP64K02	681651	3
3	EP64K03	681652	3
4	EP64K04	681653	3
6	EP64K06	681654	3
8	EP64K08	681655	3
10	EP64K10	681656	3
16	EP64K16	681657	3
20	EP64K20	681658	3
25	EP64K25	681659	3
32	EP64K32	681660	3
40	EP64K40	681661	3
50	EP64K50	681662	3
63	EP64K63	681663	3



Miniature Circuit Breakers

G100

IEC 60898 10000
3
IEC 60947-2 15kA

Special executions G100S for Shipping application and EP100R for Railways application in separate document.

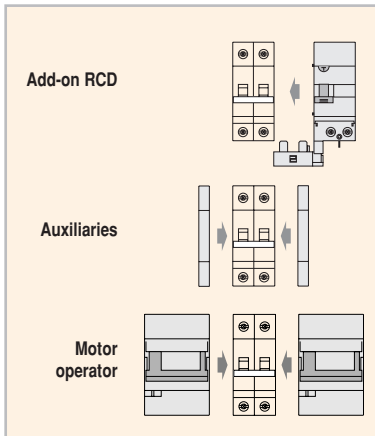
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
- Undervoltage release ● pg C.6
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- Motor operator ● pg C.8

- Accessories ● pg A.39
- Busbars ● pg E.1
- More technical data ● website
- Dimensions ● pg A.40

Performances

Thermal setting I_n	(A) 0.5-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage U_{B min}	(V) 12
Tripping characteristics	B-C-D
Selectivity class	3
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm²)	25-35
Poles	1, 1+N, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60898

Poles	V	I _{cn} (kA)*
1-4	230/400	10

*I_{cs} = 75% I_{cu}

AC acc. to IEC 60947-2

Poles	V	I _{cu} (kA)*
1	240	15
1+N, 2	127	40
	240	30
2	415	15
3, 4	240	30
	415	15

*I_{cs} = 50% I_{cu}

DC acc. to IEC 60947-2

Poles	V = **	I _{cu} /I _{cs} (kA)
1	60	25
2	125	30

**Nominal and Maximum VDC on page A.4-A.5

Series G100 - 10kA - characteristics B-C-D



1P
1 mod.



In (A)	B		C		D		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
0.5			G101C0.5	674854	G101D0.5	675016	12
1			G101C01	674855	G101D01	675017	12
2			G101C02	674856	G101D02	675018	12
3			G101C03	674857	G101D03	675019	12
4			G101C04	674858	G101D04	675020	12
6	G101B06	674950	G101C06	674859	G101D06	675021	12
10	G101B10	674952	G101C10	674861	G101D10	675023	12
13	G101B13	674953	G101C13	674862	G101D13	675024	12
16	G101B16	674954	G101C16	674863	G101D16	675025	12
20	G101B20	674955	G101C20	674864	G101D20	675026	12
25	G101B25	674956	G101C25	674865	G101D25	675027	12
32	G101B32	674957	G101C32	674866	G101D32	675028	12
40	G101B40	674958	G101C40	674867	G101D40	675029	12
50	G101B50	674959	G101C50	674868	G101D50	675030	12
63	G101B63	674960	G101C63	674869	G101D63	675031	12



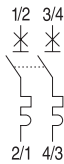
1P+N
2 mod.



0.5					G101ND0.5	675032	6
1					G101ND01	675033	6
2			G101NC02	674872	G101ND02	675034	6
3			G101NC03	674873	G101ND03	675035	6
4			G101NC04	674874	G101ND04	675036	6
6	G101NB06	674961	G101NC06	674875	G101ND06	675037	6
10	G101NB10	674963	G101NC10	674877	G101ND10	675039	6
13	G101NB13	674964	G101NC13	674878	G101ND13	675040	6
16	G101NB16	674965	G101NC16	674879	G101ND16	675041	6
20	G101NB20	674966	G101NC20	674880	G101ND20	675042	6
25	G101NB25	674967	G101NC25	674881	G101ND25	675043	6
32	G101NB32	674968	G101NC32	674882	G101ND32	675044	6
40	G101NB40	674969	G101NC40	674883	G101ND40	675045	6
50	G101NB50	674970	G101NC50	674884	G101ND50	675046	6
63	G101NB63	674971	G101NC63	674885	G101ND63	675047	6



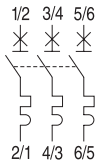
2P
2 mod.



0.5			G102C0.5	674886	G102D0.5	675048	6
1			G102C01	674887	G102D01	675049	6
2			G102C02	674888	G102D02	675050	6
3			G102C03	674889	G102D03	675051	6
4			G102C04	674890	G102D04	675052	6
6	G102B06	674972	G102C06	674891	G102D06	675053	6
10	G102B10	674974	G102C10	674893	G102D10	675055	6
13	G102B13	674975	G102C13	674894	G102D13	675056	6
16	G102B16	674976	G102C16	674895	G102D16	675057	6
20	G102B20	674977	G102C20	674896	G102D20	675058	6
25	G102B25	674978	G102C25	674897	G102D25	675059	6
32	G102B32	674979	G102C32	674898	G102D32	675060	6
40	G102B40	674980	G102C40	674899	G102D40	675061	6
50	G102B50	674981	G102C50	674900	G102D50	675062	6
63	G102B63	674982	G102C63	674901	G102D63	675063	6



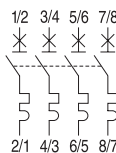
3P
3 mod.



0.5			G103C0.5	674902	G103D0.5	675064	4
1			G103C01	674903	G103D01	675065	4
2			G103C02	674904	G103D02	675066	4
3			G103C03	674905	G103D03	675067	4
4			G103C04	674906	G103D04	675068	4
6	G103B06	674983	G103C06	674907	G103D06	675069	4
10	G103B10	674985	G103C10	674909	G103D10	675071	4
13	G103B13	674986	G103C13	674910	G103D13	675072	4
16	G103B16	674987	G103C16	674911	G103D16	675073	4
20	G103B20	674988	G103C20	674912	G103D20	675074	4
25	G103B25	674989	G103C25	674913	G103D25	675075	4
32	G103B32	674990	G103C32	674914	G103D32	675076	4
40	G103B40	674991	G103C40	674915	G103D40	675077	4
50	G103B50	674992	G103C50	674916	G103D50	675078	4
63	G103B63	674993	G103C63	674917	G103D63	675079	4

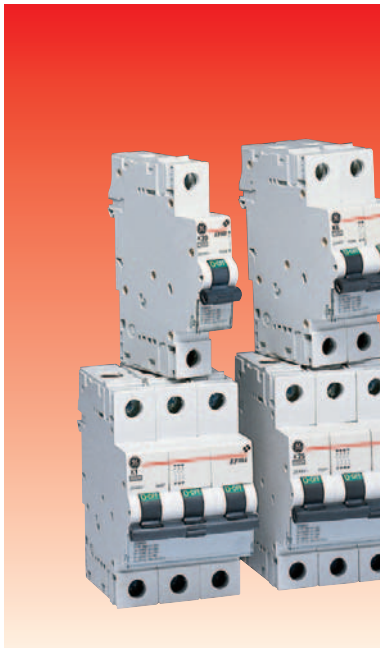


4P
4 mod.



0.5			G104C0.5	674918	G104D0.5	675080	3
1			G104C01	674919	G104D01	675081	3
2			G104C02	674920	G104D02	675082	3
3			G104C03	674921	G104D03	675083	3
4			G104C04	674922	G104D04	675084	3
6	G104B06	674994	G104C06	674923	G104D06	675085	3
10	G104B10	674996	G104C10	674925	G104D10	675087	3
13	G104B13	674997	G104C13	674926	G104D13	675088	3
16	G104B16	674998	G104C16	674927	G104D16	675089	3
20	G104B20	674999	G104C20	674928	G104D20	675090	3
25	G104B25	675000	G104C25	674929	G104D25	675091	3
32	G104B32	675001	G104C32	674930	G104D32	675092	3
40	G104B40	675002	G104C40	674931	G104D40	675093	3
50	G104B50	675003	G104C50	674932	G104D50	675094	3
63	G104B63	675004	G104C63	674933	G104D63	675095	3





Miniature Circuit Breakers

EP100

IEC 60898 10000

IEC 60947-2 15kA

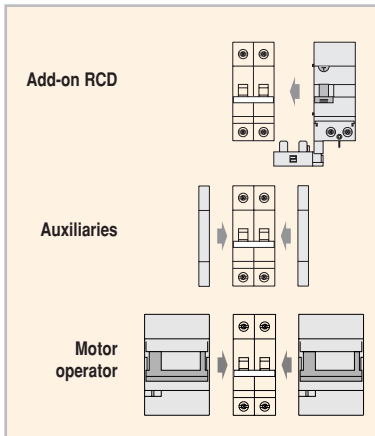
Applications



Approval / Marking



Add-on devices



- Add-on RCD ● pg B.14
- Auxiliary contacts ● pg C.4
- Shunt trip ● pg C.6
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Performances

Thermal setting I_n	(A) 0.5-63
Rated voltage AC U_n	(V) 240/415
Minimum operating voltage U_{B min}	(V) 12
Tripping characteristics	8-12 I _n (K) and 6 I _n non tripping ≤ 2 sec.
Mechanical/electrical endurance	20000/10000
Tropicalisation acc.to IEC 60068-2	95%RH at 55°C
Terminal capacity flexible/rigid cable(mm²)	25-35
Poles	1, 2, 3, 4
Weight	(g/pole) 120

Short-circuit capacity

AC acc. to IEC 60947-2

Poles	V	I _{cu} (kA)*
1	240	15
1+N, 2	127	40
	240	30
2	415	15
3, 4	240	30
	415	15

*I_{cs} = 50% I_{cu}

DC acc. to IEC 60947-2

Poles	V = **	I _{cu} /I _{cs} (kA)
1	60	25
2	125	30

**Nominal and Maximum VDC on page A.4-A.5

Series EP100 - 10kA - characteristics K



1P
1 mod.



In (A)	K		Pack.
	Cat. No.	Ref. No.	
0.5	EP101K0,5	672402	12
1	EP101K1	672403	12
1.6	EP101K1,6	681588	12
2	EP101K2	672404	12
3	EP101K03	672405	12
4	EP101K4	672406	12
6	EP101K6	672407	12
8	EP101K08	672408	12
10	EP101K10	672409	12
16	EP101K16	672411	12
20	EP101K20	672412	12
25	EP101K25	672413	12
32	EP101K32	672414	12
40	EP101K40	672415	12
50	EP101K50	672416	12
63	EP101K63	672417	12



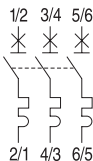
2P
2 mod.



0.5	EP102K0,5	672434	6
1	EP102K1	672435	6
1.6	EP102K1,6	681591	6
2	EP102K2	672436	6
3	EP102K03	672437	6
4	EP102K4	672438	6
6	EP102K6	672439	6
8	EP102K08	672440	6
10	EP102K10	672441	6
16	EP102K16	672443	6
20	EP102K20	672444	6
25	EP102K25	672445	6
32	EP102K32	672446	6
40	EP102K40	672447	6
50	EP102K50	672448	6
63	EP102K63	672449	6



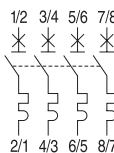
3P
3 mod.



0.5	EP103K0,5	672450	4
1	EP103K1	672451	4
1.6	EP103K1,6	681594	4
2	EP103K2	672452	4
3	EP103K03	672453	4
4	EP103K4	672454	4
6	EP103K6	672455	4
8	EP103K08	672456	4
10	EP103K10	672457	4
16	EP103K16	672459	4
20	EP103K20	672460	4
25	EP103K25	672461	4
32	EP103K32	672462	4
40	EP103K40	672463	4
50	EP103K50	672464	4
63	EP103K63	672465	4



4P
4 mod.



0.5	EP104K0,5	672466	3
1	EP104K1	672467	3
1.6	EP104K1,6	681597	3
2	EP104K2	672468	3
3	EP104K03	672469	3
4	EP104K4	672470	3
6	EP104K6	672471	3
8	EP104K08	672472	3
10	EP104K10	672473	3
16	EP104K16	672475	3
20	EP104K20	672476	3
25	EP104K25	672477	3
32	EP104K32	672478	3
40	EP104K40	672479	3
50	EP104K50	672480	3
63	EP104K63	672481	3