

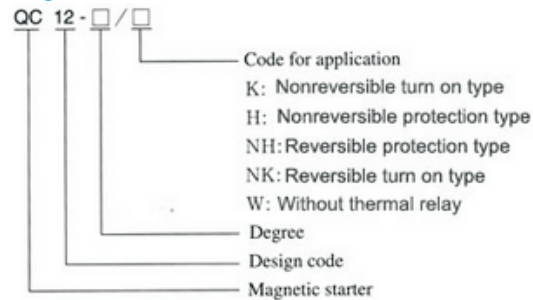
## Features

QC12 series magnetic starter is mainly applied to circuit of AC50Hz voltage up to 380V for far distance making & breaking circuit and frequently starting & controlling AC motor. The magnetic starter with thermal relay are protect AC 3-phase motor against overland and phase losing.

## Type and meanings



QC 12



## QC-12 technical data are shown in table

Starter degree	The biggest capacity above voltage of starter(kW)		Thermal relay rated current (A)	Thermal component operating current(A)	Thermal relay rated current regulation range(A)
	220V	380V			
2	2.2	4	20	0.35,0.50,0.72,1.1, 1.6,2.4,3.5,5,7.2,11	0.25~0.35, 0.32~0.5, 0.45~0.72, 0.68~1.1, 1~1.6, 1.5~2.4, 2.2~3.5, 3.2~5, 4.5~7.2, 6.8~11
3	5.5	10	20	11 16 22	6.8~11 10~16 14~22
4	11	20	60	22 32 45	14~22 20~32 28~45
5	17	30	60	22 32 45 63	14~22 20~32 28~45 40~63
6	29	50	150	63 85 120	40~63 53~85 75~120
7	47	75	150	63 85 120 160	40~63 53~85 75~120 100~160

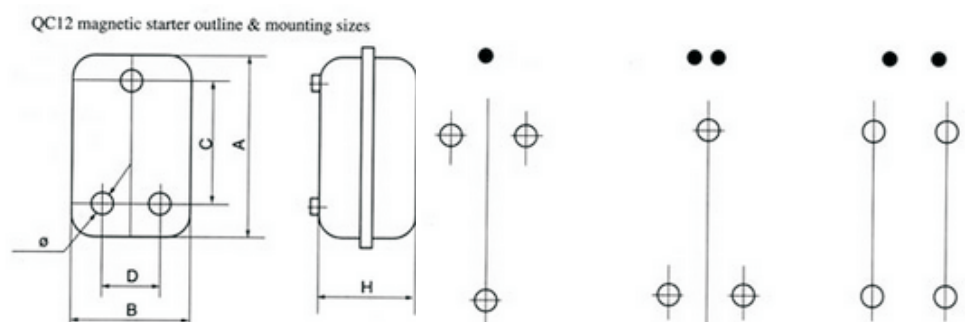
## QC12 contacts data are shown in table

Starter Degree	Main contacts		Auxiliary contacts		Repeated short time Work system		Thermal relay contacts	
	Qty	Rated current (A)	Qty	Rated current (A)	Frequency of operation (times/h)	Set up an electric circuit (%)	normal close contacts operating current(A)	normal open contacts operating current(A)
2	3 normal open	10	2 normal open 2 normal close	5	=600	40	5	1.5
3		20						
4		40						
5		60						
6		100						
7		150						



QC 12

## Outline and installation dimensions



Type	Nonreversible protection type (NH)							Nonreversible turn on type(NK)						
	A	B	C	D	H	¢	Hole dimension	A	B	C	D	H	¢	Hole dimension
QC12-2	200	110	150	60	117	6	..	147	92	130	56	102	6	.
QC12-3	220	135	175	80	135	6	..	192	95	175	76	117	6	.
QC12-4	290	170	230	100	158	6	...	202	100	185	95	135	6	.
QC12-5	400	225	305	150	186	7	...	300	175	278	100	250	7	...
QC12-6	445	300	350	210	200	9	...	375	210	350	125	155	9	...
QC12-7	500	320	380	240	200	9	...	405	240	380	155	165	9	...

Type	reversible protection type(NH)							reversible turn on type(NK)						
	A	B	C	D	H	¢	Hole dimension	A	B	C	D	H	¢	Hole dimension
QC12-2	200	182	150	150	117	6	..	145	150	130	130	102	6	.
QC12-3	230	230	170	170	135	6	...	192	195	175	100	117	6	...
QC12-4	295	275	200	200	158	6	...	215	240	185	200	135	6	...
QC12-5	602	225	150	150	196	7	...	490	205	470	100	150	7	...
QC12-6	705	305	210	210	200	9	...	590	235	565	125	155	9	...
QC12-7	775	325	240	240	200	9	...	650	265	625	155	165	8	...