

Power Factor Correction

Power Factor Controllers



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HRC Low Voltage DIN Fuses



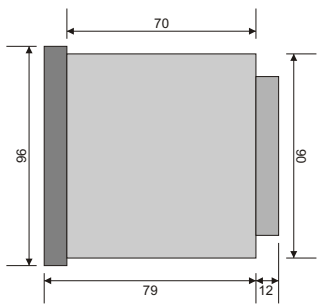
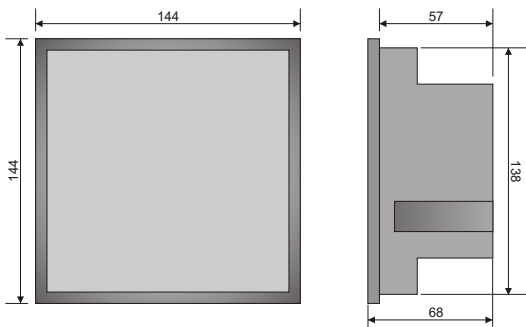
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Certificate of Compliance - Electronicon Capacitors

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All Prices Exclude VAT and are subject to change without prior notice.

POWER FACTOR CONTROLLERS

MODEL	RG-6T	RG-12T
		
STEPS	Programmable up to 6 step	Programmable up to 12 step
FEATURES	♦ Microprocessor based control ♦ Digital power factor display ♦ Programmable / Auto switching sequence ♦ 5 optional switching programs. ♦ Switching interval 2 - 50 seconds ♦ LED Indication for individual step ♦ Auto / Manual operation ♦ Automatic detection of C.K. value ♦ Voltage / Current / Active Power / Reactive Power / Apparent Power info display ♦ Alarm output with Alarm viewing (Under/ Over compensation, Over voltage) ♦ Flush mount	♦ Microprocessor based control ♦ Digital power factor display ♦ Programmable / Auto switching sequence ♦ 5 optional switching programs. ♦ Switching interval 2 - 1800 seconds ♦ LED Indication for individual step ♦ Auto / Manual operation ♦ Automatic detection of C.K. value ♦ Voltage / Current / Active Power / Reactive Power / Apparent Power info display ♦ Alarm output with Alarm viewing (Under/ Over compensation, Over voltage) ♦ Flush mount
DIMENSIONS & CUT-OUT	 Panel cut-out: 92 x 92 mm	 Panel cut-out: 139 x 139 mm
TECHNICAL SPECS	Supply voltage: 220/230 VAC Frequency: 50 Hz Output Relay: 3A / 250 VAC Operating Temperature: -5° to +55° C	Supply voltage: 220/230 VAC Frequency: 50/60 Hz Output Relay: 3A / 250 VAC Operating Temperature: -5° to +55° C

[Click here for the PRICELIST](#)

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POWER FACTOR CORRECTION CAPACITORS



ELECTRONICON CAPACITORS



ENTES CAPACITORS

ELECTRONICON CYLINDRICAL CAPACITORS



Overpressure Disconnecter
Standards: IEC EN 60831
Approvals: CSA/UL (Refer to page: 6.6)
Supplied with discharge resistors

Operating Temperature: -40°C to $+55^{\circ}\text{C}$
Maximum Current O/Load: 1.3 to 1.5 IR
Capacitor Tolerance: -5% to $+10\%$
Capacitor Losses: 0.2 to 0.4 W/Kvar

PARTNO	kVar at		μF (3x)	Filling	H (not incl. stud & terminals)	DIA
	400v	440v				
THREE PHASE - Rated 400 volt						
MKP05	5.0	6.25	34	viscous resin	155	75
MKPG20	20.0	25.0	137	gas	245	100
MKPG25	25.0	30.0	166	gas	230	116
MKPG30	30.0	-	199	gas	280	116

PARTNO	kVar at		μF (3x)	Filling	H (incl. stud & terminals)	DIA
	525v	400v				
THREE PHASE - Rated 525 volt						
HMKP10	10.0	5.8	38	gas	230	75
HMKPG20	20.0	11.6	77	gas	230	95
HMKPG25	25.0	14.4	96	gas	230	116

MKPG Gas filled capacitors can be mounted in any position.

ENTES CYLINDRICAL CAPACITORS



Overpressure Disconnecter
Standards: IEC 60831/1+2
Supplied with discharge resistors

Operating Temperature: -25°C to $+55^{\circ}\text{C}$
Maximum Current O/Load: 4 x In
Capacitor Tolerance: -5% to $+10\%$
Capacitor Losses: ≤ 0.2 W/Kvar

PARTNO	kVar at		μF (3x)	Filling	H (not incl. stud & terminals)	DIA
	400v	440v				
THREE PHASE - Rated 400 volt						
CXD-400-2.5	2.5	-	16.6	viscous resin	165	55
CXD-400-5	5.0	-	33	viscous resin	165	75
CXD-400-7.5	7.5	-	49	viscous resin	255	75
CXD-400-10	10.0	-	66	viscous resin	255	75
CXD-400-12.5	12.5	-	83	viscous resin	255	85
CXD-400-15	15.0	-	100	viscous resin	255	90
CXD-400-20	20.0	-	133	viscous resin	255	100
CXD-400-25	25.0	-	166	viscous resin	255	116
CXD-400-30	30.0	-	199	viscous resin	290	116

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POWER FACTOR CORRECTION CAPACITORS



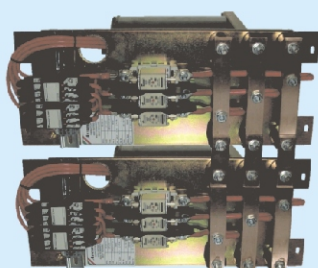
THRIFTY FIFTY SERIES

AVANTI THRIFTY FIFTY SERIES

For Space and labour saving.

Capacitor units are complete with contactors, fuse bases, fuses and fully wired.

PARTNO	KVAR (400v)	H	D	W	CAPACITORS	SWITCHING CONTACTORS
TF125	25	400	410	150	1 X 25	1
TF130	30	400	410	150	2 X 15	1
TF225	50	400	410	150	2 X 25	2
TF150	50	400	410	150	2 X 25	1
TF230	60	400	410	150	2 X 30	2
TF160	60	400	410	150	2 X 30	1



"E" RACK SYSTEM

AVANTI "E" RACK SYSTEM

Modular system for switchboard installation.

Increased free air movement between vertical mounted racks.

Capacitor units are complete with contactors, fuse bases, fuses and fully wired.

PARTNO	KVAR (400v)	H	D	W	CAPACITORS	SWITCHING CONTACTORS
ERS20T	20	275	410	500	1 X 20	1
ERS25T	25	275	410	500	1 X 25	1
ERS30T	30	275	410	500	1 X 30	1
ERS40T	40	275	410	500	2 X 20	1
ERS50T	50	275	410	500	2 X 25	1
ERS60T	60	275	410	500	2 X 30	1
ERS220/40T	40	275	410	500	2 X 20	2
ERS225/50T	50	275	410	500	2 X 25	2
ERS230/60T	60	275	410	500	2 X 30	2

AVANTI BOXED CAPACITORS

Gas or Viscous Resin filled PFC Capacitors

All units fitted with Integral CUT-OUT Devices & Discharges Resistors

PARTNO	KVAR (400v)	H	D	W	TERMINATION
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THREE PHASE - Rated 400 volt

50 Hz with permanent permitted OVERVOLTAGE of 440 volt

BE12	12.5	330	200	150	3 X 10mm DIN
BE15	15.0	330	200	150	3 X 10mm DIN
BE20	20.0	330	200	150	3 X 10mm DIN
BE25	25.0	330	200	150	3 X 10mm DIN
BE30	30.0	460	395	150	3 X M12 studs
BE35	35.0	460	395	150	3 X M12 studs
BE40	40.0	460	395	150	3 X M12 studs
BE45	45.0	460	395	150	3 X M12 studs
BE50	50.0	460	395	150	3 X M12 studs
BE60	60.0	460	395	150	3 X M12 studs

THREE PHASE - Rated 525 volt **** LIMITED STOCK ****

50 Hz with permanent permitted OVERVOLTAGE of 550 volt

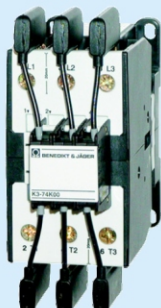
BH20	20.0	460	395	150	3 X 10mm DIN
BH30	30.0	460	395	150	3 X M12 studs
BH40	40.0	460	395	150	3 X M12 studs
BH50	50.0	460	395	150	3 X M12 studs
BH60	60.0	460	395	150	3 X M12 studs

Design & Dimensions are subject to change without prior notice.

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CAPACITOR SWITCHING CONTACTORS

BENEDICT



CAPACITOR SWITCHING CONTACTOR

PARTNO	KVAR (400v)	CONTROL VOLTAGE
K3-18NK10.400	12.5	400
K3-24K00	20.0	230
K3-32K00	25.0	230
K3-50K00	33.3	230
K3-62K00	50.0	230
K3-74K00	75.0	230

PARTNO	DESCRIPTION
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ACCESSORIES

K10N/4.230	230v coil for K3-18
K24/4.230	230v coil for K8-23 & K3-32
K24/4.400	400v coil for K3-23 & K3-32
K45/4.230	230v coil for K3-50 & K3-74
HN10	1 NO auxilliary contact



CAPACITOR SWITCHING CONTACTORS



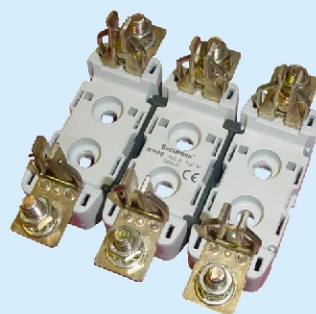
PARTNO	KVAR (400v)	CONTROL VOLTAGE	AUXILIARY CONTACTS
ENT.KT-12-C11	12.5	230 *	1 NO + 1 NC
ENT.KT-16-C11	16.7	230 *	1 NO + 1 NC
ENT.KT-20-C11	20.0	230 *	1 NO + 1 NC
ENT.KT-25-C11	25.0	230	1 NO + 1 NC
ENT.KT-33-C12	33.3	230	1 NO + 2 NC
ENT.KT-40-C12	40.0	230	1 NO + 2 NC
ENT.KT-60-C12	60.0	230	1 NO + 2 NC
ENT.KT-75-C12	75.0	230	1 NO + 2 NC

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HRC FUSE



HRC FUSE BASE

HRC LOW VOLTAGE DIN FUSES & BASES

Rated Voltage: 500 v
 Breaking Capacity: 120 Ka
 Operating Frequency: 45-62 Hz

Ceramic insulation
 Non corrosive metal parts
 Spring trip indication

HRC FUSES

PARTNO	FUSE SIZE	RATED CURRENT
00C-25	C00	25A
00C-32	C00	32A
00C-40	C00	40A
00C-50	C00	50A
00C-63	C00	63A
00C-80	C00	80A
00C-100	C00	100A
GR00-125	00	125A
GR00-160	00	160A
GR1C-125	1	125A
GR1C-160	1	160A
GR1C-200	1	200A
GR1C-250	1	250A

HRC FUSE BASES - Stud connection

PARTNO	DESCRIPTION
SB00	Size 00 single pole
TB00	Size 00 triple pole with barriers
GR1	Size 1 triple pole with barriers

Click here for the **PRICELIST**

Certificate of Compliance

Certificate: 1162492

Master Contract: 185634 (LR 105375)

Project: 1264904

Date Issued: January 3, 2002

Issued to: Electronicon Kondensatoren GmbH
 Keplerstrasse 2
 Gera, 07548
 GERMANY

Attention: Mr. Stefan Hochsattel

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by:

N. Graham

Authorized by:

Brian Rossborough
 Operations Manager

PRODUCTS

CLASS 9071 01 - CAPACITORS - For Power Factor Correction

CLASS 9071 81 - CAPACITORS - For Power Factor Correction - CERTIFIED TO U.S. STANDARDS

Series MKPg, LEYDEN, SYSTEM ELECTRIC, EKG, AENER, ELSPEC, 230 to 600V ac, indoor type, 1 and 3 phase, min size 75 x 176mm; max size 136 x 320mm, kVar as follows:

V	Hz	Minimum Rating	Maximum Rating
		Derated Power (kVar)	(KVar)
230	60	0.61	30
230	50	0.51	25
380	60	1.66	60
400	60	1.84	60
400	50	1.54	60
415	50	1.65	60
440	60	2.23	60
440	50	1.86	60
480	60	2.65	60
525	50	2.64	60
600	60	4.14	60

Note: The above devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by CSA International.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No.0-M91-General Requirements - Canadian Electrical Code. Part II

CSA Std C22.2 No.190-M1985-Capacitors for Power Factor Correction

UL Std No. 810-Capacitors

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., Respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

DOD 507WD 2001/07/20

