



Sample image

KG20

Classification Contact: Rigid contact bridge Classification Contact Mat: Silver Classification Terminal: Screw terminal Contact development: T303 Type of mounting: VE Reference number: KG20.T103/NL-EXBC.*KNBOX

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

	*/ 5, VDE 0000 Tell 10/						
Rated insulation voltage Ui							
		Voltage	(V) AC	/ DC			
			690 AC				
Rated uninterrupted current	lu/lth						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additiona	l requirements			
25	50	55	Ambient	temperature +50°C o	luring 24 hours	with peaks up to +55°C	
Rated operational current le	1						
Utilization category				Volta	ge (V)		Current (A)
AC-32A				20) - 400		20
Rated operational power							
Utilization category	Voltage (V)	No. of pha	ses	No. of	•	Power (kW) Current (A)
AC-3	220 - 240		3		3	4	-
AC-3	380 - 440		3		3	5,50	
AC-3	660 - 690		3		3	5,50	
AC-23A	220 - 240		3		3	5,50) –
AC-23A	380 - 440		3		3	7,50	15,50
AC-23A	660 - 690		3		3	7,50)
Max. Fuse rating IEC							
Fuse characteristic					No. of Fu	ses	Current (A)
gG						1	35
UL60947-4-1 , UL508	3						
Horsepower rating							
Across-the-Line Motor Startin	ng	Vo	oltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL			200 - 240	3	3	7,50	40
SCCR / Max. fuse rating							
Conditions of acceptability							
	e on circuits capable of delivering not r				•		
	capable of delivering not more than 650	000 rms symmetrical ampe	eres at 600	V max., when protec	ted by 40A Clas	ss J fuses.	
Temp. rating of wire							

Temperature rating (°C)	Current (A) Text
60 - 75	
Conoral Information	

Text

- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.

- When intended for use as a motor disconnector the device shall be provided with a method of being locked in the OFF-position.

Nominal Voltage						
Vo	oltage (V)	AC/DC				
	600	AC				
Rated insulation voltage Ui						
Vo	oltage (V)	AC/DC				
	600	AC				
Rated thermal current						
Current (A)		Ambient te	mperatui	re (°C) Additio	onal Text	
25				0 - 40		
Horsepower rating						
Across-the-Line Motor Starting	Voltage	(V) No. of ph	ases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL	110 - 1	120	1	2	1	40



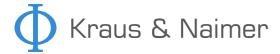
Datasheet

			1/- 4 0.0	No of the	No. of	Davis (11D)	Auchtenaa - Paa
Across-the-Line Motor Starting			Voltage (V)	No. of phases	poles	Power (HP)	Ambient temperature [°C
OOL			220 - 240	1	2	3	4
OOL			277 - 277	1	2	3	4
DOL			415 - 415	1	2	5	4
OOL			440 - 480	1	2	5	4
DOL			550 - 600	1	2	5	4
OOL			110 - 120	3	3	2	4
DOL			415 - 415	3	3	10	4
DOL			440 - 480	3	3	15	4
OOL Pilot duty rating code	_		550 - 600	3	3	20	4
Duty Code	_				_		
A600							
General Use							
	Current (A)	No. of phases	No. of pole	s			No. of contacts in serie
AC 277	25	1		1			
AC 600	25	1		2			
AC 600	25	3		3			
	-			-			
CSA							
lorsepower rating	_						
Across-the-Line Motor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C
DOL			220 - 240	3	3	7,50	4
Гетр. rating of wire			220 210	5		,,	
	Temperature	rating (°C)		Curren	nt (A) Text		
		75					
GENERAL TECHNICAL INFOR	RIVIATION						
Size of conductor							
	_	Min. / Max. value	No. of co	nductor per terminal	Cross secti	on (mm²) or	Material of the wire
composition of conductor			No. of co	nductor per terminal	(AWG/kcmi	on (mm²) or I)	
composition of conductor Solid wire		Min.	No. of co.	1	(AWG/kcmi 0.75mm²	on (mm²) or I)	Copper
composition of conductor Solid wire Solid wire		Min. Min.	No. of co	1	(AWG/kcmi 0.75mm ² 0.5mm ²	on (mm²) or i)	Copper Copper
composition of conductor Solid wire Solid wire Flexible wire		Min. Min. Min.	No. of co.	1 2 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire		Min. Min. Min. Max.	No. of co.	1 2 2 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10	on (mm²) or i)	Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire		Min. Min. Min. Max. Max.	No. of co	1 2 2 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire		Min. Min. Max. Max. Max. Min.	No. of co	1 2 2 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire		Min. Min. Max. Max. Min. Max.	No. of co	1 2 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire		Min. Min. Max. Max. Min. Max. Max.	No. of co	1 2 2 1 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve	NIN 46228	Min. Min. Max. Max. Min. Max. Max. Max.	No. of co	1 2 2 1 1 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with ferrule according to D		Min. Min. Max. Max. Min. Max. Max. Max. Max. Max. Min.	No. of co	1 2 1 1 1 1 1 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Elexible wire Elexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D		Min. Min. Max. Max. Min. Max. Max. Max.	No. of co	1 2 2 1 1 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Elexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D		Min. Min. Max. Max. Min. Max. Max. Max. Max. Min. Min.	No. of co.	1 2 1 1 1 1 1 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Elexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D		Min. Min. Max. Max. Min. Max. Max. Max. Max. Min. Min.	ength (mm)	1 2 1 1 1 1 1 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Stripping length		Min. Min. Max. Max. Min. Max. Max. Max. Max. Min. Min.		1 2 1 1 1 1 1 1 1 1 1	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Stripping length		Min. Min. Max. Max. Min. Max. Max. Max. Max. Min. Min.	ength (mm) – 9		(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Elexible wire Elexible wire Elexible wire Elexible wire Single-core or stranded wire Single-core or stranded wire Elexible wire with sleeve Elexible wire with sleeve Elexible wire with ferrule according to D Elexible wire with ferrule according to D Stripping length Recommended screw driver Type of screw driver		Min. Min. Max. Max. Min. Max. Max. Max. Max. Min. Min.	ength (mm) – 9 –	1 2 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Stripping length Recommended screw driver Cross Screw driver	DIN 46228	Min. Min. Max. Max. Min. Max. Max. Max. Max. Min. Min.	ength (mm) 9 Valu PH2	1 2 2 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or I)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Flexible wire or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264	DIN 46228	Min. Min. Max. Max. Min. Max. Max. Max. Max. Min. Min.	ength (mm) – 9 –	1 2 2 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Elexible wire Elexible wire Elexible wire Elexible wire Single-core or stranded wire Single-core or stranded wire Elexible wire with sleeve Elexible wire with sleeve Elexible wire with ferrule according to D Elexible wire with ferrule according to D Stripping length Recommended screw driver Type of screw driver	DIN 46228	Min. Min. Max. Max. Min. Max. Max. Min. Min.	ength (mm) – 9 – Valu PH2 0,8x	1 2 2 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Flexible wire Flexible wire Flexible wire or stranded wire Flexible wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Fripping length Flexible Screw driver Flexible Screw driver Flexible Screwdriver according to DIN 5264	DIN 46228	Min. Min. Max. Max. Min. Max. Max. Min. Min.	ength (mm) – 9 – Valu PH2 0,8x torque (Nm)	1 2 2 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or i)	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire wire with ferrule according to D Flexible wire with ferrule according to D Flexible wire wire wire with ferrule according to D Flexible wire wire wire with ferrule according to D Flexible wire wire wire wire wire wire wire wir	DIN 46228	Min. Min. Max. Max. Min. Max. Max. Min. Min.	ength (mm) – 9 – Valu PH2 0,8x	1 2 2 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
somposition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Flexible wire or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws Seneral Information	DIN 46228	Min. Min. Max. Max. Min. Max. Max. Min. Min.	ength (mm) – 9 – Valu PH2 0,8x torque (Nm)	1 2 2 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm ² 0.5mm ² 0.75mm ² AWG 10 4mm ² 1.5mm ² 6mm ² AWG 10 4mm ² 0.75mm ²	on (mm²) or	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Flexible wire or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire wire with ferrule according to D Flexible wire wire with ferrule according to D Flexible wire wire wire with ferrule according to D Flexible wire wire wire wire wire wire wire wir	DIN 46228	Min. Min. Max. Max. Max. Max. Max. Min. Min. <i>tightening</i>	ength (mm) - 9 - 9 - Valu PH2 0,8x torque (Nm) 1,25	1 2 1 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² AWG 10 4mm² 0.75mm² 0.5mm²	on (mm²) or	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
somposition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Flexible wire or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Stripping length Recommended screw driver Flype of screw driver Slot screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws Seneral Information Fext Use only copper wires with or without	DIN 46228	Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. <i>tightening</i>	ength (mm) - 9 - 9 - Valu PH2 0,8x torque (Nm) 1,25	1 2 1 1 1 1 1 1 1 2	(AWG/kcmi 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² AWG 10 4mm² 0.75mm² 0.5mm²	on (mm²) or	Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
somposition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with sleeve Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Stripping length Recommended screw driver Flype of screw driver Slot screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws Seneral Information Fext Use only copper wires with or without EMC Note: This device is suitable for u	DIN 46228	Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. <i>tightening</i> plated individual wires. Soldering ment A and B.	ength (mm) - 9 Valu PH2 0,8x torque (Nm) 1,25 the end of the wire	1 2 1 1 1 1 1 1 1 1 2 2 4 4 4	(AWG/kcmi 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm² 0.75mm² 0.5mm² 0.5mm²		Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper tightening torque (lb-in 1
composition of conductor Solid wire Solid wire Solid wire Flexible wire with sleeve Flexible wire with ferrule according to D Flexible wire with ferrule according to D Flexible wire Flexible wire with ferrule according to D Flexible wire Flexible wire with ferrule according to D Flexible wire Flexible wire with ferrule according to D Flexible wire Flexible wire Flexible wire Flexible wire Flexible wire with ferrule according to D Flexible wire with ferrule according to D Flexible wire F	DIN 46228	Min. Min. Max. Max. Max. Max. Max. Max. Min. Min. <i>tightening</i> plated individual wires. Soldering ment A and B.	ength (mm) - 9 Valu PH2 0,8x torque (Nm) 1,25 the end of the wire	1 2 1 1 1 1 1 1 1 1 2 2 4 4 4	(AWG/kcmi 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm² 0.75mm² 0.5mm² 0.5mm²		Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper tightening torque (lb-in 1
ecommended screw driver biole wire wire wire wire wire wire wire wir	DIN 46228	Min. Min. Max. Max. Max. Max. Max. Max. Max. Max. Min. Min. <i>tightening</i> plated individual wires. Soldering ment A and B. ened during production for loss	ength (mm) - 9 Valu PH2 0,8x torque (Nm) 1,25 the end of the wire	1 2 1 1 1 1 1 1 1 1 2 2 4 4 4	(AWG/kcmi 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm² 0.75mm² 0.5mm² 0.5mm²		Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper tightening torque (lb-in 1
ecommended screw driver when the formed of the source of	DIN 46228	Min. Min. Max. Max. Max. Max. Max. Max. Max. Max. Min. Min. <i>tightening</i> plated individual wires. Soldering ment A and B. ened during production for loss	ength (mm) - 9 Valu PH2 0,8x torque (Nm) 1,25 the end of the wire	1 2 1 1 1 1 1 1 1 1 2 2 4 4 4	(AWG/kcmi 0.75mm² 0.5mm² 0.75mm² AWG 10 4mm² 1.5mm² 6mm² AWG 10 4mm² 0.75mm² 0.75mm² 0.5mm² 0.5mm²		Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper tightening torque (lb-i

 Waste Electroical & Electronic Equipment (WEEE)

 Picture name
 Description

 Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausnaimer.com



Proposition 65 Picture name

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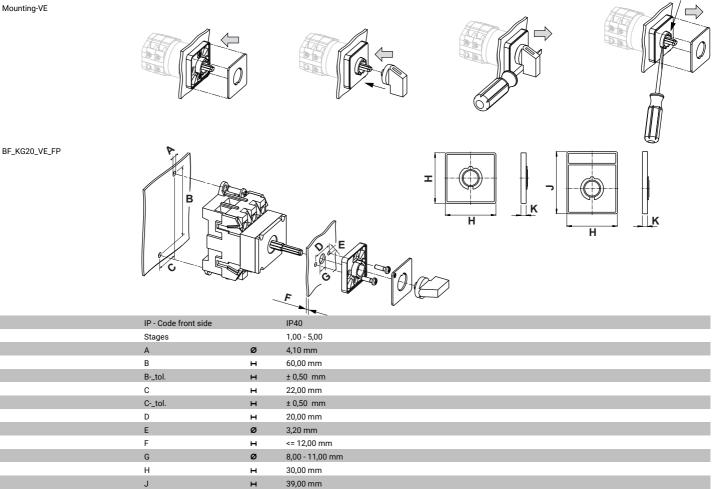
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal

Description

Mounting-VE

Mounting-VE



н 5,50 mm

Κ



Datasheet

	Wiring diagram KG20.T303.VE
L1 L2 L3	
$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$	
T1 T2 T3	



M510A-1

K0.M510A/2CA-B

Number of contacts: "2" 2 auxiliary contacts Operation of contacts: "C" 1 auxiliary contact closed in pos. 1 and 1 auxiliary contact closed in pos. 0 (NO/NC) Type of version: "A" 1. auxiliary contact module Type of mounting: "-B" for type of mounting VE, VE2, silver contacts

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Nominal Voltage			40 (20		
	V	Voltage (V)			
		500			
		690	AC		
Rated uninterrupted current lu/lth	(°C) Pook tomporatura		ditional requiremente		
Current (A) Ambient temperature	(°C) Peak temperature 55		dditional requirements	ring 24 hours with peaks up to	160°C
16	55		•	ring 24 hours with peaks up to	
Rated operational current le	35	00 AI	mbient temperature +55 C du	ining 24 hours with peaks up to	+00 C
Utilization category			Voltage	e (V)	Current
AC-15			110 -		2
AC-15			380 -		- 1
AC-15				500	
AC-21A				500	
UL60947-4-1 , UL508					
Nominal Voltage					
	V	Voltage (V)	AC / DC		
		600	AC		
Rated insulation voltage Ui					
	v	Voltage (V)	AC/DC		
		600	AC		
Rated thermal current					
	Current (A)		Ambient temperature		
Duty Code A600	10	=	0	- 40	
Duty Code A600 General Use AC / DC Voltage (V) Current (A)	No. of phases	No.	. of poles	- 40 -	No. of contacts in set
Duty Code A600 General Use AC / DC Voltage (V) Current (A)		No.		- 40 -	No. of contacts in ser
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10	No. of phases	No.	. of poles	- 40 –	No. of contacts in ser
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor	No. of phases 1		. of poles 1		
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor	No. of phases		. of poles	- 40 – Cross section (mm²) or (AWG/kcmil)	No. of contacts in ser Material of the wire
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor	No. of phases 1		. of poles 1		
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor Solid wire	No. of phases 1 Min. / Max. value		. of poles 1 io. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor Solid wire Solid wire	No. of phases 1 Min. / Max. value Min.		. of poles 1 io. of conductor per terminal 1	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm²	Material of the wire Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor Solid wire Solid wire Flexible wire	No. of phases 1 Min. / Max. value Min. Min.		. of poles 1 io. of conductor per terminal 1 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm²	<i>Material of the wire</i> Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire	No. of phases 1 <i>Min. / Max. value</i> Min. Min. Min.		. of poles 1 to. of conductor per terminal 1 2 1 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16	<i>Material of the wire</i> Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire	No. of phases 1 <i>Min. / Max. value</i> Min. Min. Min. Min.		. of poles 1 io. of conductor per terminal 1 2 1 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm²	<i>Material of the wire</i> Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire	No. of phases 1 <i>Min. / Max. value</i> Min. Min. Min. Min. Max. Max. Max. Max.		of poles 1 io. of conductor per terminal 1 2 1 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire	No. of phases 1 Min. / Max. value Min. Min. Min. Min. Max. Max. Max. Max. Max. Max.		. of poles 1 io. of conductor per terminal 1 2 1 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with ferrule according to DIN 46228	No. of phases 1 Min. / Max. value Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max		of poles 1 o. of conductor per terminal 1 2 1 2 2 2 2 2 2 2 1 1 2 1 2 2 2 2 2 2 2 1 1 2 2 2 2 2 2 1 1 1 2 2 2 2 2 2 2 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Solid wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with ferrule according to DIN 46228 Flexible wire with ferrule according to DIN 46228	No. of phases 1 Min. / Max. value Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max		of poles 1 io. of conductor per terminal 1 2 1 2 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm² 0.5mm² 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with ferrule according to DIN 46228 Flexible wire with ferrule according to DIN 46228 Flexible wire with ferrule according to DIN 46228 Flexible wire with ferrule according to DIN 46228	No. of phases 1 Min. / Max. value Min. Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Max		of poles 1 o. of conductor per terminal 1 2 1 2 2 2 2 2 2 2 1 1 2 1 2 2 2 2 2 2 2 1 1 2 2 2 2 2 2 1 1 1 2 2 2 2 2 2 2 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with ferrule according to DIN 46228	No. of phases 1 Min. / Max. value Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Min.	N	of poles 1 io. of conductor per terminal 1 2 1 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm² 0.5mm² 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with ferrule according to DIN 46228	No. of phases 1 Min. / Max. value Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Min.		of poles 1 io. of conductor per terminal 1 2 1 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm² 0.5mm² 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with ferrule according to DIN 46228	No. of phases 1 Min. / Max. value Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Min.	N	. of poles 1 b. of conductor per terminal 1 2 1 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm² 0.5mm² 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire with ferrule according to DIN 46228 Flexible wire with ferrule according to DIN 46228 Flexible wire with ferrule according to DIN 46228 Stripping length	No. of phases 1 Min. / Max. value Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Min.	Ni ngth (mm)	. of poles 1 b. of conductor per terminal 1 2 1 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm² 0.5mm² 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
Duty Code A600 General Use AC / DC Voltage (V) Current (A) AC 600 10 GENERAL TECHNICAL INFORMATION Size of conductor Composition of conductor Solid wire Solid wire Flexible wire Flexible wire Flexible wire Flexible wire Single-core or stranded wire Single-core or stranded wire Flexible wire with ferrule according to DIN 46228 Stripping length Recommended screw driver	No. of phases 1 Min. / Max. value Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Min.	Ni ngth (mm)	of poles 1 o. of conductor per terminal 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm² 0.5mm² 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper
- ()	No. of phases 1 Min. / Max. value Min. Min. Min. Max. Max. Max. Max. Max. Max. Max. Min.	Ni ngth (mm)	. of poles 1 b. of conductor per terminal 1 2 1 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Cross section (mm²) or (AWG/kcmil) 0.5mm² 0.5mm² 0.75mm² 0.75mm² AWG 16 1.5mm² AWG 14 1.5mm² 0.5mm² 0.5mm² 1.5mm²	Material of the wire Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper Copper



Recommended screw driver		
Type of screw driver	Value	
Slot screwdriver according to DIN 5264	0,6x3,5	
Tightening torque of screws		
	tightening torque (Nm)	tightening torque (lb-in)
	0,60	5
General Information		

Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.

- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.

- After wiring, ALL terminal screws must be tightened to the specified torque values.

- Do not lubricate or treat contacts.

- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.

M510A-1	UXILIARY CONTACTS (cam operated) for switch type KG20 - KG100C and KH(R)16 - KH	H(R)25B
K0 M510/	2CA-B	

13	21	
γ'	7	
14	22	