



Sample image

### Datasheet

Article number: 70012785

Designation: KG100.T303/58.VE2

Description: Switch Global Disconnector

. IFC. 60947-3 FN 60	0947-3, VDE 0660 Teil 107						
Rated insulation voltage							
J.		Vo	oltage (V) AC / D	С			
			690 AC				
Rated uninterrupted curr		Dook town and we	(°C) additional re				
Current (A) 100	Ambient temperature (°C) 50	Peak temperature			during 24 hours w	vith peaks up to +55°C	
Rated operational curren			33 Ambient ter	ilperature +50 C	during 24 nours w	vitil peaks up to +55 C	
Utilization category	it ie			Vo	Itage (V)		Current (A)
AC-32A					20 - 400		100
Rated operational power	•						
Utilization category		Voltage (V)	N	lo. of phases		No. of poles	Power (kW)
AC-3		220 - 240		3		3	18,50
AC-3		380 - 440		3		3	30
AC-3		660 - 690		3		3	22
AC-23A		220 - 240		3		3	22
AC-23A		380 - 440		3		3	37
AC-23A		660 - 690		3		3	30
Max Fuse Rating IEC					.,		
Fuse characteristic					No. of Fu		Current (A)
gG						1	100
UL60947-4-1 , UL5	508						
Nominal Voltage							
		Ve	oltage (V) AC / D	С			
			600 AC				
Rated insulation voltage	Ui						
		Ve	oltage (V) AC / D	С			
			600 AC				
Rated thermal current		. (1)			. (2) 11111		
	Curre	nt (A)		Ambient tempera	iture (°C) Additio	nal Text	
		100					
Hanamannan natin n		100		,	0-40		
Horsepower rating	ortina	100	Voltage (V)	·	0 - 40		Ambient temperature [°Cl
Across-the-Line Motor Sta	arting	100	Voltage (V)	No. of phases	0 - 40 No. of poles	Power (HP)	Ambient temperature [°C]
Across-the-Line Motor Sta	arting	100	110 - 120	No. of phases	0 - 40 No. of poles 2	Power (HP)	40
Across-the-Line Motor Sta DOL DOL	arting	100	110 - 120 220 - 240	No. of phases	0 - 40  No. of poles  2 2	Power (HP) 5 15	40 40
Across-the-Line Motor Sta DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277	No. of phases 1 1	0 - 40  No. of poles  2  2  2	Power (HP) 5 15 15	40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415	No. of phases 1 1 1	0 - 40  No. of poles  2  2  2  2	Power (HP) 5 15 15 25	40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480	No. of phases 1 1 1 1 1	0 - 40  No. of poles  2  2  2  2  2	Power (HP) 5 15 15 25 30	40 40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600	No. of phases 1 1 1 1 1 1 1	0 - 40 No. of poles 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Power (HP) 5 15 15 25 30 30	40 40 40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120	No. of phases 1 1 1 1 1 1 3	0 - 40 - No. of poles 2 2 2 2 2 2 3	Power (HP) 5 15 15 25 30 30 10	40 40 40 40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240	No. of phases  1  1  1  1  1  3 3	0 - 40 -	Power (HP) 5 15 15 25 30 30 10 25	40 40 40 40 40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415	No. of phases  1 1 1 1 1 1 3 3 3	0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40	40 40 40 40 40 40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480	No. of phases  1 1 1 1 1 1 3 3 3 3 3	0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL	arting	100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415	No. of phases  1 1 1 1 1 1 3 3 3	0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40	40 40 40 40 40 40 40 40 40
Across-the-Line Motor Sta DOL DOL DOL DOL DOL DOL DOL DOL DOL DOL		100	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480	No. of phases  1 1 1 1 1 1 3 3 3 3 3	0 - 40 - No. of poles 2 2 2 2 2 2 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del		110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1  1  1  1  3  3  3  3 3	0 - 40 -  No. of poles 2 2 2 2 2 2 3 3 3 3 3	Power (HP) 5 15 15 25 30 30 10 25 40 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty lle for use on circuits capable of del ctured by General Electric.	vering not more than 10kA rm	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac	0 - 40 - 2 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 max. when protect	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del	vering not more than 10kA rm	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac	0 - 40 - 2 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 3 max. when protect	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more tl	vering not more than 10kA rm nan 65000 rms symmetrical a	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac.	0 - 40 - 2 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 dmax. when protected by Class J fuse:	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty lle for use on circuits capable of del ctured by General Electric.	vering not more than 10kA rm han 65000 rms symmetrical a	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac.	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more tl	vering not more than 10kA rm nan 65000 rms symmetrical a	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac.	0 - 40 - 2 No. of poles 2 2 2 2 2 2 3 3 3 3 3 3 dmax. when protected by Class J fuse:	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more tl	vering not more than 10kA rm han 65000 rms symmetrical a	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac.	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more tl	vering not more than 10kA rm han 65000 rms symmetrical a	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac.	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more tl	vering not more than 10kA rm han 65000 rms symmetrical a	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac.	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40 40
Across-the-Line Motor State DOL	ty le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more tl Temperature ratin	vering not more than 10kA rm nan 65000 rms symmetrical a g (°C) 75	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 50 Circuit Breaker Type
Across-the-Line Motor State DOL	ty  le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more the  Temperature rating	vering not more than 10kA rm nan 65000 rms symmetrical a g (°C) 75 No. of phases	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600 as symmetrical and appears 600V ma	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac n x., when protecte	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40 6r Circuit Breaker Type
Across-the-Line Motor State DOL	ty le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more the  Temperature rating foltage (V) Current (A) 277 100	vering not more than 10kA rm nan 65000 rms symmetrical a g (°C) 75	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600 ns symmetrical ar	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40 6r Circuit Breaker Type  No. of contacts in series 1
Across-the-Line Motor State DOL	ty  le for use on circuits capable of del ctured by General Electric. uit capable of delivering not more the  Temperature rating	vering not more than 10kA rm nan 65000 rms symmetrical a g (°C) 75 No. of phases	110 - 120 220 - 240 277 - 277 415 - 415 440 - 480 550 - 600 110 - 120 220 - 240 415 - 415 440 - 480 550 - 600 ns symmetrical ar	No. of phases  1 1 1 1 1 3 3 3 3 3 mperes, 600V ac n x., when protecte	No. of poles 2 2 2 2 2 2 3 3 3 3 3 max. when protected by Class J fuse	Power (HP) 5 15 15 25 30 30 10 25 40 50 50	40 40 40 40 40 40 40 40 40 40 6r Circuit Breaker Type



Text									
The operating handle and position indito be used should have been previously				lld be provided fro	m the manufactu	irer, or the operating	g handle and position indicating me		
When intended for use as a motor disc	•			d in the OFF-nosit	ion				
	John Cotor the de	wice shall be provided with a	method of being locke	a in the orr posit	1011.				
CSA									
Nominal Voltage			V-4 (1) 40 (5	20					
			Voltage (V) AC / D 600 AC	iC .					
Rated insulation voltage Ui			000 AC						
Nation Foliage of			Voltage (V) AC / D	IC .					
			600 AC						
Rated thermal current									
	(	Current (A)		Ambient tempera		nal Text			
		100		0 - 40					
Horsepower rating			1/-/ (1/)	No of the con-	No of males	D(UD)	A b : b		
Across-the-Line Motor Starting  OOL			Voltage (V) 110 - 120	No. of phases	No. of poles	Power (HP) 5	Ambient temperature		
DOL			220 - 240	1	2	15			
DOL			277 - 277	1	2	15			
DOL			415 - 415	1	2	25			
DOL			440 - 480	1	2	30			
DOL			550 - 600	1	2	30			
OOL			110 - 120	3	3	10			
OOL			220 - 240	3	3	25			
OOL			415 - 415	3	3	40			
DOL DOL			440 - 480 550 - 600	3	3	50 50			
Temp. rating of wire			330 - 000	<u> </u>	3	30			
remp. rading of wife	Temperature	rating (°C)		Cu	rrent (A) Text				
	,,	75		-					
General Use									
AC / DC Voltage (V)	Current (A)	No. of phases	No. of pole	s			No. of contacts in se		
AC 277	100	1		1					
AC 600	100	1		2					
AC 600	100	3		3					
GENERAL TECHNICAL INFOR	MATION								
Size of conductor									
		Min / May value	No of oo		Cross section	(mm²) or	Matarial of the wire		
composition of conductor solid wire		Min. / Max. value Min.	NO. Of CO	nductor per termir	nal (AWG/kcmil) 1 2.5mm²		Material of the wire Copper		
flexible wire		Min.			1 4mm <sup>2</sup>		Copper		
flexible wire		Max.			1 35mm²		Copper		
flexible wire		Max.			1 AWG 2		Copper		
Single-core or stranded wire	-	Max.			1 AWG 1/0		Copper		
Single-core or stranded wire	1	Max.			1 50mm²		Copper		
flexible wire with sleeve		Max.			1 35mm²		Copper		
flexible wire with ferrule according to DI	IN 46228	Min.			1 2.5mm <sup>2</sup>		Copper		
Stripping length			1 th ()						
			Length (mm) -						
			14	-					
Recommended screw driver				-					
Type of screw driver			Value	-					
Type of screw driver Cross Screwdriver			Value PH2	5					
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264			Value	5					
Type of screw driver Cross Screwdriver		tighteni	Value PH2	5			tightening torque (l		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264		tightenii	Value PH2 1,2x6,	5			tightening torque (l		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws Approbations		tightenir	Value PH2 1,2x6,	5					
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws		tightenin	Value PH2 1,2x6,	5			tightening torque (l Mai		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws Approbations		tightenin	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws Approbations		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification		tightenii	Value PH2 1,2x6,	5			Mar E		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification  EAC  CE marking		tightenir	Value PH2 1,2x6,	5			Mar E		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification		tightenir	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification  EAC  CE marking		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification  EAC  CE marking		tightenii	Value PH2 1,2x6,	5			Mar E		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver Fightening torque of screws  Approbations Specification  EAC  CE marking  JK Directives		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver Fightening torque of screws  Approbations Specification  EAC  CE marking  JK Directives  CSA C.22.2 No.14		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification  EAC  CE marking  JK Directives  CSA C.22.2 No.14  GB/T14048.3		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver Fightening torque of screws  Approbations Specification  EAC  CE marking  JK Directives  CSA C.22.2 No.14		tightenii	Value PH2 1,2x6,	5			Mai		
Type of screw driver Cross Screwdriver Slot screwdriver Slot screwdriver according to DIN 5264 Fightening torque of screws  Approbations Specification  EAC  CE marking  JK Directives  CSA C.22.2 No.14  GB/T14048.3 General Information		tightenii	Value PH2 1,2x6,	5			Mai		



#### **General Information**

Text

- -Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology
- Use copper wire only. Do not coat the wire end with tin.
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.

#### Waste Electrical & Electronic Equipment (WEEE)

Picture name Z

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

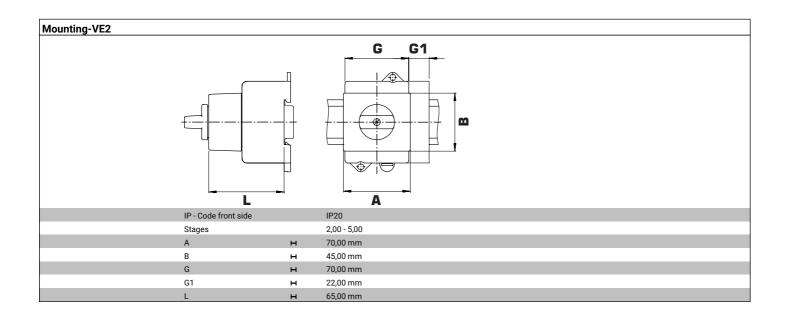
#### Proposition 65

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





# Wiring diagram KG100.T303.VE2

L1 L2 L3
T1 T2 T3

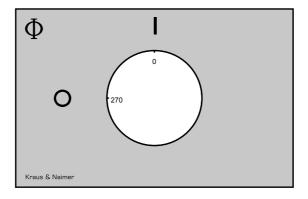


# Switch program KG100.T303.VE2

<b>A</b> 1/ 0 N								
Traus & Naimer		KG1	00	T303	VE		Page	1 of 1
Face Plate								
1	L1 1	L2 3	L3 5	7	9	11	13	15
0 (-270 90 -)	<u> </u>	χ1	, Ι					
180		\						
	'	•						
Switching Angle 90	2	4	6	8	10	12	14	16
Total switching Angle 90	T1	T2	Т3					
0 270								
1 0								
90								
180								
	<u> </u>			1				
							Vers	ion: 102



# Face plate K2.F456/C10.VE2





### 

### **PADLOCK DEVICE**

with type F-handle for type of mounting VE2 and VE21

Designation: S0.V840B/E7D

Lock bow diameter: "E" for lock bow diameter 4,5-

6mm

Colour of handle: "7" electro-grey, locking bar flag

red

**Type of mounting:** "D" for type of mounting VE2 for KA40-KA63B, KG20A/KG32A, KG41-KG64B,

KG80/KG100 and KH(R)16-KH(R)80