

## GX16H53U

Product type designation   GX16     General characteristics   53     N° of elements   3     Options   plate     Contact characteristics   plate     Rated insulation voltage Ui   IEC/EN   V     Conventional free air thermal current Ith   IEC/EN   A   16     Conventional free air thermal current Ith   IEC/EN   A   16     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Acti/Ac21A   A   16   16     Coperational current IcW   15   A   250     Operational current Ic IEC/EN   A   16   220/230V   A   16     Acti/Ac21A   A   16   220/230V   A   16     Acti/Ac21A   A   16   220/230V   A   4     Acti/Ac21A   A   16   220/230V   A   4     Acti/Ac21A   A   16   220/230V   A   4     Acti/Ac21A   A   16   220/230V   KW	Product designation			Rotary cam switches
Switching diagram   53     N° of elements   3     Options   Enlarged from plate     Contact characteristics   Enlarged from plate     Rated insulation voltage Ui   IEC/EN   V   690     Rated insulation voltage Ui   IEC/EN   V   600     Rated inpulse withstand voltage Uimp   kV   6   6     Conventional free air thermal current Ith   IEC/EN   A   16     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Acta doperational voltage   V   440   440     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Qperational current lew   1   A   16     Rated short time current lew   1   A   16     Querational power in AC   A   16   220/230V   A   8     Act1/AC21A   A   10   220/230V   A   8     Actificational power in AC   Three-phase AC-3   220/230V   KW   3.5     Single-phase AC-3				
N° of elements   3     Options   Enlarged from plate     Contact characteristics   IEC/EN   V     Rated insulation voltage Ui   IEC/EN   V   690     Rated insulation voltage Uimp   KV   6     Conventional free air thermal current lth   IEC/EN   A   16     UL/CSA   A   12   Rated operational voltage   V   440     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   20   25kA   A   16     Rated short time current lcw   1   1   A   250   0     Operational current le IEC/EN   A   16   10kA   A   20     AC1/AC21A   A   16   10kA   A   20     Querational current lcw   1   A   10   220/230V   A   8     AC15   110V   A   10   220/230V   A   4     AC0/MOV   A   4   600/690V   A   5.5     Single-phase AC-3   110V				53
Contact characteristics   plate     Rated insulation voltage Ui   IEC/EN   V   690     Rated insulation voltage Uimp   KV   6     Conventional free air thermal current Ith   IEC/EN   A   16     QUL/CSA   A   12   Rated operational voltage   V   440     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20   25kA   A   16     Rated short time current Icw   1s   A   250   0   0   0kA   A   10   220/230V   A   8   380/400V   A   4   660/690V   A   3   10   220/230V   A   8   380/440V   KW   4.5   5				
Rated insulation voltage Ui   IEC/EN   V   690     Rated impulse withstand voltage Uimp   KV   6     Conventional free air thermal current Ith   IEC/EN   A   16     Qui/CSA   A   12   Rated operational voltage   V   440     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   20     Atted short time current Icw   10kA   A   20     Operational current le IEC/EN   A   16     AC1/AC21A   A   10     AC15   110V   A   10     220/230V   A   8   380/400V   A     Rated operational power in AC   110V   A   10     220/230V   KW   3.5   380/400V   A     380/400V   A   4   660/690V   A   3     Rated operational power in AC   110V   KW   3.5   380/440V   KW   4.5     500/690V   KW   3.5   380/440V   KW   2.2     Three-phase AC-3	Options			
IEC/EN   V   690     Rated impulse withstand voltage Uimp   kV   6     Conventional free air thermal current Ith   IEC/EN   A   16     Rated operational voltage   V   440     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     10kA   A   20   25kA   A   16     Rated short time current Icw   1s   A   20   25kA   A   16     Querational current Ie IEC/EN   A   16   A   16   A   16     AC1/AC21A   A   16   A   10   220/230V   A   8     380/400V   A   10   220/230V   A   4   660/90V   A   3     Rated operational power in AC   Three-phase AC-3   10V   KW   3.5   380/440V   KW   4.5     500/690V   kW   3.5   380/440V   KW   2.2     Three-phase AC-3   10V   KW   0.55   220/230V   KW	Contact characteristics			
UL/CSA   V   600     Rated impulse withstand voltage Uimp   KV   6     Conventional free air thermal current Ith   IEC/EN   A   16     Rated operational voltage   V   440     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Rated short time current Icw   1s   A   250     Operational current le IEC/EN   A   16     AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A     600/690V   A   3   3     Rated operational power in AC   Three-phase AC-3   110V   KW   3.5     Single-phase AC-3   110V   KW   3.5   380/440V   KW   3.5     Single-phase AC-3   110V   KW   0.55   220/230V   KW   1.5     Single-phase AC-3   110V   KW   3.7   380/	Rated insulation voltage Ui			
Rated impulse withstand voltage Uimp   kV   6     Conventional free air thermal current Ith   IEC/EN   A   16     Rated operational voltage   V   440     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Rated short time current Icw   1s   A   20     Operational current Ie IEC/EN   A   16     AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/4400V   A     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5     Single-phase AC-3   110V   KW   0.55   220/230V   kW   1.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   3.7     380/440V   kW   2.2   7   380/440V   kW   3.7     380/440V   kW   3.7   380/440V   4.6   5     Single-phase AC23A   110V   KW   0.75   220/230V </td <td></td> <td></td> <td></td> <td></td>				
Conventional free air thermal current lth   IEC/EN   A   16     UL/CSA   A   12     Rated operational voltage   V   440     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   20     25kA   A   16     Rated short time current lcw   1s   A   250     Operational current le IEC/EN   A   16     AC1/AC21A   A   10     AC15   110V   A   10     220/230V   A   8   380/400V   A     Rated operational power in AC   Three-phase AC-3   220/230V   KW   3.5     Single-phase AC-3   110V   KW   0.55   220/230V   kW   3.5     Single-phase AC-3   110V   KW   0.55   220/230V   kW   3.7     380/440V   KW   2.2   210V   kW   3.7   380/440V   KW   2.2     Three-phase AC23A   220/230V   kW   3.7   380/440V   KW   3.5		UL/CSA		
IEC/EN   A   16     Rated operational voltage   V   440     Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Rated short time current Icw   10kA   A   20     Operational current Ie IEC/EN   1s   A   250     Operational current Ie IEC/EN   A   16     AC1/AC21A   A   10     AC15   110V   A   10     220/230V   A   8   380/400V   A     Rated operational power in AC   1   1   A   2.50     Three-phase AC-3   220/230V   KW   3.5   380/440V   kW   4.5     Solo/690V   kW   3.5   380/440V   kW   4.5     Solo/690V   kW   1.5   380/440V   kW   2.2     Three-phase AC-3   10V   kW   0.55   220/230V   kW   3.7     380/440V   kW   2.2   7.5   380/440V   kW   2.2     Three-phase AC23A<			kV	6
UL/CSA   A   12     Rated operational voltage   V   440     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   20     25kA   A   16     Rated short time current lcw   1s   A   250     Operational current le IEC/EN   A   16     AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3   3   3     Rated operational power in AC   Three-phase AC-3   220/230V   KW   3.5   380/440V   4.5     S00/690V   kW   3.5   380/440V   kW   4.5     S00/690V   kW   1.5   380/440V   kW   3.5     Single-phase AC-3   110V   kW   0.55   380/440V   kW   3.7     380/440V   kW   3.7   380/440V   kW   3.5     Single-phase AC23A   110V	Conventional free air thermal current Ith		_	
Rated operational voltage   V   440     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   20     25kA   A   16     Rated short time current lcw   1s   A   250     Operational current le IEC/EN   AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A     AC15   110V   A   3     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   3.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   1.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   3.7     380/440V   kW   3.5   380/440V   kW   3.5     Single-phase AC23A   220/230V   kW   3.7   380/440V   kW   3.5     Single-phase AC23A   1				
Maximum fuse size for short-circuit protection In (gG)   10kA   A   20     Rated short time current Icw   1s   A   250     Operational current Ie IEC/EN   A   16     AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A     Rated operational power in AC   Three-phase AC-3   220/230V   KW   3.5     380/400V   kW   4.5   500/690V   kW   4.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   3.7     380/440V   kW   2.2   Three-phase AC23A   220/230V   kW   3.7     380/440V   kW   6.5   500/690V   kW   3.7     380/440V   kW   6.5   500/690V   kW   6.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   1.8     380/440V   kW   0.75   220/230V   kW   1.8	Deterbases the effects	UL/CSA		
10kA   A   20     Rated short time current low   1s   A   16     Operational current le IEC/EN   AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3   3     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5     380/400V   kW   4.5   5   5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   1.5     380/440V   kW   2.2   110V   kW   0.55   220/230V   kW   1.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   1.5     Single-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   1.8     380/440V   kW   3.8   <			V	440
25kA   A   16     Rated short time current lcw   1s   A   250     Operational current le IEC/EN   AC1/AC21A   A   16     AC15   100   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3   3   3     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5     Single-phase AC-3   110V   kW   0.55   5     Single-phase AC-3   110V   kW   0.55     Single-phase AC-3   110V   kW   1.5     380/440V   kW   2.2   15     Single-phase AC-3   110V   kW   6.5     Single-phase AC-3   110V   kW   2.2     Three-phase AC23A   220/230V   kW   3.7     380/440V   kW   6.5   500/690V   kW   7.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW <td< td=""><td>maximum ruse size for short-circuit protection in (gG)</td><td>4 01- 1</td><td>۸</td><td>20</td></td<>	maximum ruse size for short-circuit protection in (gG)	4 01- 1	۸	20
Rated short time current low   1s   A   250     Operational current le IEC/EN   AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3   3   3     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5   380/440V   kW   4.5     500/690V   kW   3.5   380/440V   kW   4.5     500/690V   kW   3.5   380/440V   kW   4.5     500/690V   kW   1.5   380/440V   kW   0.55     220/230V   kW   1.5   380/440V   kW   2.2     Three-phase AC-3   110V   kW   0.55   500/690V   kW   3.7     380/440V   kW   6.5   500/690V   kW   3.7   380/440V   kW   6.5     500/690V   kW   7.5   380/440V   kW   6.5				
1s   A   250     Operational current le IEC/EN AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3   3   3     Rated operational power in AC Three-phase AC-3   220/230V   kW   3.5   380/440V   kW   4.5     500/690V   kW   3.5   380/440V   kW   4.5     500/690V   kW   1.5   380/440V   kW   2.2     Three-phase AC-3   110V   kW   0.55   220/230V   kW   1.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   3.7     380/440V   kW   3.7   380/440V   kW   6.5     500/690V   kW   7.5   5   5   5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   1.8     380/440V   kW   3   3	Deted short time surrent law	23KA	A	10
Operational current le IEC/EN   A   16     AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3   3   3     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5   380/440V   kW   4.5     S00/690V   kW   3.5   380/440V   kW   4.5   500/690V   kW   5.5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   1.5     380/440V   kW   1.5   380/440V   kW   2.2     Three-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     Single-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   1.8   380/440V   kW   3.7	Rated short time current icw	10	۸	250
AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8     380/400V   A   4     660/690V   A   3     Rated operational power in AC     Three-phase AC-3   220/230V   kW   3.5     380/440V   kW   4.5   500/690V   kW   4.5     Single-phase AC-3   110V   kW   0.55   5     Single-phase AC-3   110V   kW   1.5   380/440V   kW   2.2     Three-phase AC23A   110V   kW   0.55   5   5   5     Single-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     Sono/690V   kW   6.5   500/690V   kW   6.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   1.8     380/440V   kW   0.75   220/230V   kW   1.8     380/440V   kW   3	Operational current le IEC/EN	13	Α	230
A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3     Rated operational power in AC     Three-phase AC-3   220/230V   kW   3.5     380/400V   kW   4.5   500/690V   kW   4.5     Single-phase AC-3   110V   kW   0.55   5     Single-phase AC-3   110V   kW   0.55   220/230V   kW   1.5     380/440V   kW   2.2   15   380/440V   kW   2.2     Three-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     Single-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   3.7     380/440V   kW   0.75   380/440V   kW   0.75     Single-phase AC23A   110V				
AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   3   3   Rated operational power in AC   AC15   380/400V   A   4     660/690V   A   3   3   3   3   3     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5   380/440V   kW   4.5   500/690V   kW   5.5   5	AO IIAOZIA		А	16
110V   A   10     220/230V   A   8     380/400V   A   4     660/690V   A   3     Rated operational power in AC     Three-phase AC-3     220/230V   kW   3.5     380/440V   kW   4.5     500/690V   kW   5.5     Single-phase AC-3   110V   kW   0.55     220/230V   kW   1.5   380/440V   kW   2.2     Three-phase AC23A   110V   kW   3.7   380/440V   kW   3.7     380/440V   kW   6.5   500/690V   kW   3.7     380/440V   kW   6.5   500/690V   kW   3.7     380/440V   kW   6.5   500/690V   kW   7.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   1.8     380/440V   kW   3   380/440V   kW   3	AC15			10
220/230V   A   8     380/400V   A   4     660/690V   A   3     Rated operational power in AC     Three-phase AC-3     220/230V   kW   3.5     380/440V   kW   4.5     500/690V   kW   5.5     Single-phase AC-3   110V   kW   0.55     220/230V   kW   1.5   380/440V   kW   2.2     Three-phase AC23A     Three-phase AC23A     220/230V   kW   3.7     380/440V   kW   3.7   380/440V   kW   6.5     500/690V   kW   7.5   5   500/690V   kW   3.7     380/440V   kW   6.5   5   500/690V   kW   3.7     380/440V   kW   0.75   220/230V   kW   1.8     380/440V   kW   1.8   380/440V   kW   3		110V	А	10
380/400V   A   4     660/690V   A   3     Rated operational power in AC   Three-phase AC-3   220/230V   kW   3.5     380/440V   kW   4.5   500/690V   kW   4.5     500/690V   kW   5.5   5   5     Single-phase AC-3   110V   kW   0.55     220/230V   kW   1.5   380/440V   kW   2.2     Three-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     500/690V   kW   7.5   5   5   5   5     Mathematical Accession   110V   kW   0.75   5 <td></td> <td></td> <td>А</td> <td></td>			А	
Rated operational power in AC Three-phase AC-3     220/230V   kW   3.5     380/440V   kW   4.5     500/690V   kW   5.5     Single-phase AC-3   110V   kW   0.55     220/230V   kW   1.5   380/440V   kW   2.2     Three-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     500/690V   kW   7.5   Single-phase AC23A   110V   kW   0.75     220/230V   kW   1.8   380/440V   kW   3		380/400V	А	4
Three-phase AC-3 220/230V kW 3.5   380/440V kW 4.5   500/690V kW 5.5   Single-phase AC-3 110V kW 0.55   220/230V kW 1.5 380/440V kW 2.2   Three-phase AC23A 220/230V kW 3.7 380/440V kW 6.5   500/690V kW 7.5 Single-phase AC23A 110V kW 0.75   Single-phase AC23A 110V kW 0.75 220/230V kW 1.8   380/440V kW 3 380/440V kW 3		660/690V	А	3
220/230V kW 3.5   380/440V kW 4.5   500/690V kW 5.5   Single-phase AC-3 110V kW 0.55   220/230V kW 1.5 380/440V kW 2.2   Three-phase AC23A 220/230V kW 3.7 380/440V kW 6.5   500/690V kW 6.5 500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8 380/440V kW 3	Rated operational power in AC			
380/440V kW 4.5   500/690V kW 5.5   Single-phase AC-3 110V kW 0.55   220/230V kW 1.5 380/440V kW 2.2   Three-phase AC23A 220/230V kW 3.7   380/440V kW 6.5 500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8 380/440V kW 3	Three-phase AC-3			
500/690V   kW   5.5     Single-phase AC-3   110V   kW   0.55     220/230V   kW   1.5   380/440V   kW   2.2     Three-phase AC23A   220/230V   kW   3.7   380/440V   kW   6.5     500/690V   kW   7.5   500/690V   kW   7.5     Single-phase AC23A   110V   kW   0.75   220/230V   kW   1.8     380/440V   kW   3   380/440V   kW   3   380/440V				3.5
Single-phase AC-3 110V kW 0.55   220/230V kW 1.5   380/440V kW 2.2   Three-phase AC23A 220/230V kW 3.7   380/440V kW 6.5   500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8 380/440V kW 3				
110V kW 0.55   220/230V kW 1.5   380/440V kW 2.2   Three-phase AC23A 220/230V kW 3.7   380/440V kW 6.5 500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8 380/440V kW 3		500/690V	kW	5.5
220/230V kW 1.5   380/440V kW 2.2   Three-phase AC23A 220/230V kW 3.7   380/440V kW 6.5   500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8   380/440V kW 3	Single-phase AC-3			
380/440V kW 2.2   Three-phase AC23A 220/230V kW 3.7   380/440V kW 6.5   500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8   380/440V kW 3				
Three-phase AC23A 220/230V kW 3.7   380/440V kW 6.5   500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8   380/440V kW 3				
220/230V kW 3.7 380/440V kW 6.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 1.8 380/440V kW 3	Three phase AC22A	380/440V	KVV	2.2
380/440V kW 6.5   500/690V kW 7.5   Single-phase AC23A 110V kW 0.75   220/230V kW 1.8   380/440V kW 3	miee-phase AC23A	220/2201/	۲/۷۱	37
500/690V   kW   7.5     Single-phase AC23A   110V   kW   0.75     220/230V   kW   1.8   380/440V   kW   3				
Single-phase AC23A 110V kW 0.75 220/230V kW 1.8 380/440V kW 3				
110V kW 0.75 220/230V kW 1.8 380/440V kW 3	Single-phase AC23A	000,000 (		1.0
220/230V kW 1.8 		110V	kW	0.75
380/440V kW 3				
Rated operational current in DC	Rated operational current in DC			
DC21A				
48V A 16		48V	А	16
60V A 16			А	16
110V A 4				
220V A 0.5		220V	А	0.5

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		4.4014		0.05
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	16 (1)
		48V	A	16 (2)
		60V	A	16 (3)
		110V	А	10 (3)
		220V	А	7 (4)
	DC13			
		24V	А	16
		48V	A	14
		60V	А	12
		110V	A	0.8
		220V	А	0.3
		440V	А	0.15
Mechanical features			73	0.1.0
				214
Terminals screw				3M
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	5	min	AWG	20
			AWG	14
		Max	AWG	14
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			0,000	
Motor power for direct-				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V		
			HP	5
		600V	HP	5
	for single-phase motor			
		120V	HP	0.75
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
Frontal IP degree				IP65
Terminals IP degree				IP20
ETIM classification				

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EC001029 -Selector switch, complete