

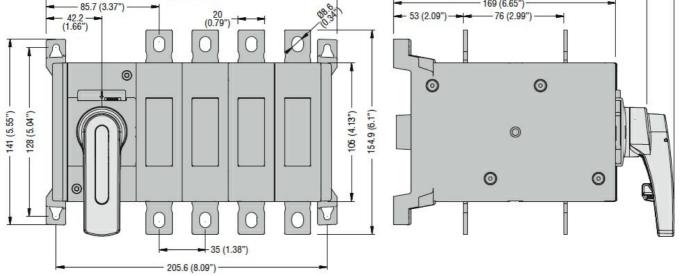


Product type designation     GLC       Number of poles     Nr. 4       Operating voltage type     AC       Eonact characteristics     IEC       IEC Conventional free air thermal current th     A     200       Rated insulation voltage UIEC/EN     V     1000       Rated insulation voltage UIEC/EN     V     1000       Rated insulation voltage UIEC/EN     V     1000       Ac-31B     400V     A     200	Product designation			Changeover Switch
Operating voltage type     AC       Contact characteristics     IEC Conventional free air thermal current Ith     A     200       Rated insulation voltage Ui IEC/EN     V     1000     Rated insulation voltage Uinp     kV     12       Operating current Ie     AC-31B     400V     A     200       AC-32B     400V     A     200       AC-32B     400V     A     200       AC-33B     400V     A     200       Power dissipation per pole max     W     4     4       Rated operational power AC23A     400V     KW     10       G90V     kW     100     500V     KA     12       Conditional short-circuit current (ms)     kA     12     100     100       Rated short time current (ms) <td< td=""><td>Product type designation</td><td></td><td></td><td>GLC</td></td<>	Product type designation			GLC
Contract characteristics     IEC Conventional free air thermal current lth     A     200       Rated insulation voltage UI IEC/EN     V     1000       Rated insulation voltage UI IEC/EN     V     12       Operating current Ie     AC-31B     400V     A     200       AC-32B     400V     A     200     690V     A     200       AC-32B     400V     A     200     690V     A     200       AC-33B     400V     A     200     690V     A     200       AC-33B     400V     A     200     690V     A     200       AC-33B     400V     A     200     690V     A     200       Power dissipation per pole max     W     4     400V     KW     110       Ge90V     KW     100     500V     KW     200       Power dissipation per pole max     W     4     400V     kW     10       Rated short time current (1s) lcw (rms)     kA     6     6     6     6     6     6	Number of poles		Nr.	4
IEC Conventional free air thermal current lth     A     200       Rated insulation voltage Ui IEC/EN     V     1000       Rated inpulse withstand voltage Uimp     kV     12       Operating current le     AC-31B     400V     A     200       AC-32B     400V     A     200     500V     A     200       AC-32B     400V     A     200     500V     A     200       AC-32B     400V     A     200     500V     A     200       AC-33B     400V     A     200     500V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipational power AC23A     W     4     400V     KW     110       Rated operational power AC23A     KA     6     8     8       Rated short time current (1s) Icw (rms)     KA     12     2     2     00V     KA     12       Conditional short-circuit protection with fuse     Class/A     100     12     2     2	Operating voltage type			AC
Rated insulation voltage Ui IEC/EN     V     1000       Rated impulse withstand voltage Uimp     kV     12       Operating current le     AC-31B     400V     A     200       AC-32B     400V     A     200     690V     A     200       AC-32B     400V     A     200     690V     A     200       AC-32B     400V     A     200     690V     A     200       AC-33B     400V     A     200     500V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Rated short time current (1s) lcw (rms)     KA     6     6     6     6       Rated short time current (0.3s) lcw (rms)     KA     12     200     6     200     6     200     6     200     200	Contact characteristics			
Rated impulse withstand voltage Uimp     kV     12       Operating current le     AC-31B     400V     A     200       AC-32B     400V     A     200       AC-32B     400V     A     200       AC-33B     400V     A     200       AC-33B     400V     A     200       AC-33B     400V     A     200       AC-33B     400V     A     200       Power dissipation per pole max     W     4     200       Rated operational power AC23A     400V     KW     100       Rated short time current (1s) lcw (rms)     kA     6     6       Rated short time current (1s) lcw (rms)     kA     12     200       Short-circuit current (ms)     kA     12     200       Short-circuit protection with fuse     Class/A     gG/200     36/200       Making capacity AC23A 400V     A     1600     300       Breaking capacity AC23A 400V     A     1600     300       Mechanical life     cycles     20000     300	IEC Conventional free air thermal current Ith		А	200
Operating current le     AC-31B     400V     A     200       AC-32B     400V     A     200       AC-32B     400V     A     200       AC-33B     400V     A     200       AC-33B     400V     A     200       AC-33B     400V     A     200       AC-33B     400V     A     200       Power dissipation per pole max     W     4     200       Rated operational power AC23A     W     4     4       Rated short time current (1s) lcw (rms)     kA     6       Rated short time current (1s) lcw (rms)     kA     6       Rated short time current (1s) lcw (rms)     kA     10       Short-circuit protection with fuse     Class/A     gG/200       Making capacity AC23A 400V     A     2000       Mechanical features     cycles     20000       Mechanical features     cycles     20000       Mechanical features     cycles     20000       Mechanical features     Screw     Screw       Terminals	Rated insulation voltage Ui IEC/EN		V	1000
AC-31B     400V     A     200       500V     A     200       AC-32B     400V     A     200       AC-32B     400V     A     200       AC-33B     690V     A     200       AC-33B     690V     A     200       AC-33B     690V     A     200       Power dissipation per pole max     W     4     200       Rated operational power AC23A     W     4     200       Rated short time current (1s) low (rms)     KA     6     200       Rated short time current (0.3s) low (rms)     KA     12     200       Conditional short-circuit protection with fuse     Class/A     gG/200     GG/200       Making capacity AC23A 400V     A     100     2000     Breaking capacity AC23A 400V     A     1600       Mechanical life     crycles     20000     Gr/200     Making capacity AC23A 400V     A     1600       Mechanical life     crycles     20000     Gr/200     Gr/200     Gr/200     Grerawing capacity AC23A 400V     A	Rated impulse withstand voltage Uimp		kV	12
400V     A     200       500V     A     200       690V     A     200       AC-32B     400V     A     200       690V     A     200     690V     A     200       690V     A     200     690V     A     200       AC-33B     400V     A     200     500V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     4     200     690V     A     200       Power dissipation per pole max     W     4     4     200	Operating current le			
500V     A     200       690V     A     200       AC-32B     400V     A     200       500V     A     200     500V     A     200       AC-33B     400V     A     200     500V     A     200       AC-33B     400V     A     200     500V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Rated operational power AC23A     W     4     4     200     690V     KW     200       Rated short time current (1s) lcw (rms)     KA     6     6     6     6       Rated short time current (ms)     KA     10     5     5     6     6       Stort-circuit protection with fuse     Class/A     2000     6     6     2000	AC-31B			
690V     A     200       AC-32B     400V     A     200       500V     A     200     690V     A     200       AC-33B     400V     A     200     690V     A     200       AC-33B     400V     A     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     A     200       Power dissipation per pole max     W     4     200     690V     K     200       Rated short time current (1s) lcw (rms)     KA     110     690V     KA     12       Conditional short-circuit current (rms)     KA     12     2000     Making capacity AC23A 400V     A     2000       Machanical features     000     A     1600     0     0     0       Mechanical features		400V	А	200
AC-32B     400V     A     200       500V     A     200       690V     A     200       AC-33B     400V     A     200       90V     A     200     690V     A     200       690V     A     200     690V     A     200       690V     A     200     690V     A     200       Power dissipation per pole max     W     4     4       Rated operational power AC23A     W     4       690V     KW     200     690V     KW     200       Rated short time current (1s) low (rms)     KA     6     6     6       Rated short time current (0.3s) low (rms)     KA     12     Conditional short-circuit current (rms)     KA     12       Short-circuit protection with fuse     Class/A gG/200     G/200     Making capacity AC23A 400V     A     2000       Breaking capacity AC23A 400V     A     1600     Mechanical life     cycles     20000       Mechanical features     Operating position     Screw		500V	А	200
400V     A     200       500V     A     200       690V     A     200       690V     A     200       500V     A     200       500V     A     200       690V     A     200       Power dissipation per pole max     W     4       Rated operational power AC23A     W     4       Rated short time current (1s) low (rms)     KA     6       Rated short time current (0.3s) lcw (rms)     KA     10       Short-circuit current (rms)     KA     100       Short-circuit current (rms)     KA     100       Short-circuit protection with fuse     Class/A     gG/200       Making capacity AC23A 400V     A     1600       Mechanical life     cycles     20000       Mechanical features     Screw       <		690V	А	200
AC-33B     400V     A     200       AC-33B     400V     A     200       Power dissipation per pole max     W     4     200       Rated operational power AC23A     W     4     200       Rated short time current (1s) lcw (rms)     KA     6     200       Rated short time current (0.3s) lcw (rms)     KA     12     200       Conditional short-circuit current (rms)     KA     100     3       Short-circuit protection with fuse     Class/A     gG/200       Making capacity AC23A 400V     A     1600       Mechanical life     cycles     20000       Mechanical life     cycles     2000       Mechanical life     Screw     4       Fixing     Screw     5       Terminals     ype     M8 x 20       Tightening torque for terminals     10     132	AC-32B			
AC-33B     400V     A     200       400V     A     200     500V     A     200       690V     A     200     690V     A     200       Power dissipation per pole max     W     4     400V     kW     110       Rated operational power AC23A     6     6     6     6     6     6       Rated short time current (1s) low (rms)     kA     6     7     6     7     7     7     7     7     6     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7     7		400V	А	200
AC-33B   400V   A   200     500V   A   200     690V   A   200     Power dissipation per pole max   W   4     Rated operational power AC23A   W   4     Rated short time current (1s) low (rms)   kA   6     Rated short time current (0.3s) low (rms)   kA   6     Rated short time current (nss)   kA   10     Short-circuit protection with fuse   Class/A   gG/200     Making capacity AC23A 400V   A   2000     Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Mechanical features   orcew   5     Operating position   normal   Vertical plan     allowable   Any   5     Tightening torque for terminals   min   Nm   15		500V	А	200
400V     A     200       500V     A     200       690V     A     200       Power dissipation per pole max     W     4       Rated operational power AC23A     W     4       400V     kW     110       690V     kW     200       Rated short time current (1s) lcw (rms)     kA     6       Rated short time current (0.3s) lcw (rms)     kA     12       Conditional short-circuit protection with fuse     Class/A     gG/200       Making capacity AC23A 400V     A     2000       Breaking capacity AC23A 400V     A     1600       Mechanical life     cycles     20000       Machanical features     Operating position     Image: Screw       Terminals     screw     Screw       Tightening torque for terminals     min     Nm       Ingent torque for terminals     min     Nm       min     Nm     15     max       min     Ibin     132		690V	А	200
500V     A     200       690V     A     200       Power dissipation per pole max     W     4       Rated operational power AC23A     W     4       400V     kW     110       690V     kA     6       Rated short time current (1s) lcw (rms)     kA     6       Rated short time current (0.3s) lcw (rms)     kA     12       Conditional short-circuit current (rms)     kA     100       Short-circuit protection with fuse     Class/A     gG/200       Making capacity AC23A 400V     A     2000       Breaking capacity AC23A 400V     A     1600       Mechanical life     cycles     20000       Mechanical features     Operating position     Image: Strew       Carrent from position     normal     Vertical plan       allowable     Any     Screw       Terminals     type     M8 x 20       Tightening torque for terminals     min     Nm     15       max     Nm     22     min     Ibin     132	AC-33B			
690VA200Power dissipation per pole maxW4Rated operational power AC23A400VkW400VkW110690VkW200Rated short time current (1s) lcw (rms)kA6Rated short time current (0.3s) lcw (rms)kA12Conditional short-circuit current (rms)kA100Short-circuit protection with fuseClass/AgG/200Making capacity AC23A 400VA2000Breaking capacity AC23A 400VA1600Mechanical lifecycles20000Operating positionnormalVertical planallowableAnyScrewTerminalstypeM8 x 20Tightening torque for terminalsminNmnormaltypeX22minlbin132		400V	А	200
Power dissipation per pole max   W   4     Rated operational power AC23A   400V   kW   110     690V   kW   200     Rated short time current (1s) lcw (rms)   kA   6     Rated short time current (0.3s) lcw (rms)   kA   12     Conditional short-circuit current (rms)   kA   100     Short-circuit protection with fuse   Class/A   gG/200     Making capacity AC23A 400V   A   2000     Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Operating position   normal   Vertical plan     allowable   Any   Fixing   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15     min   lbin   132		500V	А	200
Rated operational power AC23A   400V   kW   110     690V   kW   200     Rated short time current (1s) lcw (rms)   kA   6     Rated short time current (0.3s) lcw (rms)   kA   12     Conditional short-circuit current (rms)   kA   100     Short-circuit protection with fuse   Class/A   gG/200     Making capacity AC23A 400V   A   2000     Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Mechanical features   Operating position   normal     Vertical plan   allowable   Any     Fixing   Screw   Screw     Tightening torque for terminals   min   Nm   15     min   Ibin   132   Nin   22		690V	А	200
400VkW110690VkW200Rated short time current (1s) lcw (rms)kA6Rated short time current (0.3s) lcw (rms)kA12Conditional short-circuit current (rms)kA100Short-circuit protection with fuseClass/AgG/200Making capacity AC23A 400VA2000Breaking capacity AC23A 400VA1600Mechanical lifecycles20000Mechanical lifecycles20000Mechanical featuresOperating positionnormalVertical plan allowableAnyScrewFixingScrewScrewTerminalstypeM8 x 20Tightening torque for terminalsminNmminNm15 maxminlbin132	Power dissipation per pole max		W	4
690VkW200Rated short time current (1s) lcw (rms)kA6Rated short time current (0.3s) lcw (rms)kA12Conditional short-circuit current (rms)kA100Short-circuit protection with fuseClass/AgG/200Making capacity AC23A 400VA2000Breaking capacity AC23A 400VA1600Mechanical lifecycles20000Mechanical featuresOperating positionNormalPeriodScrewScrewFixingScrewTerminalstypeM8 x 20Tightening torque for terminalsminNmMin15 maxNm22 minMinJ32MinJ32	Rated operational power AC23A			
Rated short time current (1s) lcw (rms)kA6Rated short time current (0.3s) lcw (rms)kA12Conditional short-circuit current (rms)kA100Short-circuit protection with fuseClass/AgG/200Making capacity AC23A 400VA2000Breaking capacity AC23A 400VA1600Mechanical lifecycles20000Mechanical featuresOperating positionNormalPrixingScrewScrewTerminalstypeM8 x 20Tightening torque for terminalsminNmMinNm15maxNm22minIbin132		400V	kW	110
Rated short time current (0.3s) lcw (rms)   kA   12     Conditional short-circuit current (rms)   kA   100     Short-circuit protection with fuse   Class/A   gG/200     Making capacity AC23A 400V   A   2000     Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Mechanical life   cycles   20000     Operating position   normal   Vertical plan     allowable   Any   Fixing   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15     min   lbin   132		690V	kW	200
Conditional short-circuit current (rms)   kA   100     Short-circuit protection with fuse   Class/A   gG/200     Making capacity AC23A 400V   A   2000     Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Mechanical features   Operating position   rormal     Vertical plan   allowable   Any     Fixing   Screw   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15     max   Nm   22   min   Ibin   132	Rated short time current (1s) Icw (rms)		kA	6
Short-circuit protection with fuse   Class/A   gG/200     Making capacity AC23A 400V   A   2000     Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Mechanical features   Operating position   Image: comparison of the state of	Rated short time current (0.3s) Icw (rms)		kA	12
Making capacity AC23A 400V   A   2000     Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Mechanical leatures   000   000     Operating position   normal allowable   Any     Fixing   Screw   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15 max     Making capacity AC23A 400V   A   132	Conditional short-circuit current (rms)		kA	100
Breaking capacity AC23A 400V   A   1600     Mechanical life   cycles   20000     Mechanical features   0     Operating position   normal allowable   Any     Fixing   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15 max     Max   Nm   22 min   min   Nm   22 min	Short-circuit protection with fuse		Class/A	gG/200
Mechanical life   cycles   20000     Mechanical features   Operating position   Normal allowable   Any     Fixing   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15 max     Min   15 max   Nm   22 min     Min   132   Nm   132	Making capacity AC23A 400V		А	2000
Mechanical features     Operating position     normal allowable   Vertical plan     allowable   Any     Fixing   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15     max   Nm   22   min   Ibin   132	Breaking capacity AC23A 400V		А	1600
Operating position   normal allowable   Vertical plan Any     allowable   Any     Fixing   Screw     Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15 max     min   Ibin   132	Mechanical life		cycles	20000
normal allowable Vertical plan   Any Any   Fixing Screw   Terminals type   M8 x 20   Tightening torque for terminals   min Nm   Max   Nm 22   min Ibin   132	Mechanical features		•	
allowable Any   Fixing Screw   Terminals type   M8 x 20   Tightening torque for terminals   min Nm   15   max Nm   22   min Ibin	Operating position			
allowable Any   Fixing Screw   Terminals type   M8 x 20   Tightening torque for terminals   min Nm   15   max Nm   22   min Ibin		normal		Vertical plan
Fixing Screw   Terminals type M8 x 20   Tightening torque for terminals min Nm 15   max Nm 22   min Ibin 132				•
Terminals   type   M8 x 20     Tightening torque for terminals   min   Nm   15     max   Nm   22     min   Ibin   132	Fixing			
type     M8 x 20       Tightening torque for terminals     min     Nm     15       max     Nm     22       min     Ibin     132				
Tightening torque for terminals min Nm 15 max Nm 22 min Ibin 132		type		M8 x 20
min Nm 15 max Nm 22 min Ibin 132	Tightening torgue for terminals			
max Nm 22 min Ibin 132		min	Nm	15
min Ibin 132				
		max	Ibin	194

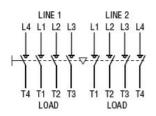


Conductor section

	IEC min IEC max AWG/kcmil min	mm² mm²	70 185 00
	AWG/kcmil max		400
Ambient conditions			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Max altitude		m	3000
Dimensions			
220.8 (8.69") - 42.2 -		")	



Wiring diagrams



## Certifications and compliance

## Compliance

IEC/EN 60947-1	
IEC/EN 60947-3	
IEC/EN 60947-6-1	

## ETIM classification

## ETIM 8.0

EC000216 -Switch disconnector