



ROTARY CAM SWITCH GF SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

Product type designation         GF20           Switching diagram         56 - Chargeover switch witches           Switching diagram         3           N° of elements         3           Mounting form         U11 - Front mounting with black handle witch uffort pole diam. .22mm fixing           Contract characteristics         EC/EN           Rated insulation voltage Ui         IEC/EN         V           Attact insulation voltage Uipp         KV         4           Contract characteristics         240           Rated insulation voltage         V         480           UL/CSA         V         240           Rated operational voltage         V         480           Extend operational voltage         V         480           Rated operational impulse voltage         KV         4           Conductivity         10kA         20           Conductivity         10kA         20           Conductivity         10/S mA/V         480           Rated operational current low         1         10/S mA/V           AC1/AC21A         A         20           AC16         110/V         A         10           220/230/V         KW         3         380/40/V         5 </th <th>Product designation</th> <th></th> <th></th> <th></th> <th>Rotary cam</th>	Product designation				Rotary cam
General characteristics         56 - Changeover switch without 0 3           N° of elements         3           N° of elements         3           Mounting form         mounting with black handle without front plate for hole diam.           Contact characteristics         22mm fixing           Rated insulation voltage Ui         IEC/EN         V         480           UL/CSA         V         240         220           Rated insulation voltage Uimp         KV         4         4           Contact characteristics         20         21         15           Rated insulation voltage Q         KV         4         4           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational impulse voltage         KV         4         4           Conductivity         10KA         A         20           Rated short time current Icw         15         KA         20           Conductivity         10's mA/V         0         250           Conductivity         10's mA/V         0         20           Querational current Icw         10's mA/V         10's mA/V           Qperational current Ic IEC/EN         200/2020/20V         8	-	tion			
Switching diagram         66 - Changeover switch without 0 3 poles           N° of elements         3           N° of elements         3           Mounting form         U11 - Front mounting with black handle without front plate to hole diam.           Rated insulation voltage UI         IEC/EN         V           Rated insulation voltage UI         IEC/EN         V           Rated insulation voltage UI         IEC/EN         V           Rated insulation voltage UI         IEC/EN         A           Querchinal free air thermal current Ith         IEC/EN         A           IEC/EN         A         20           UL/CSA         A         15           Rated operational voltage         V         480           Rated operational impulse voltage         KV         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           15kA         A         20         15kA         20           Conductivity         1s         kA         250           Conductivity         10/5 mAV         20           Quertainal current Icw         1s         kA         250           Conductivity         10/5 mAV         20         20/230V         A					GF20
N° of elements         3           Mounting form         U11 - Front mounting with black handle without front place to hole diam. 22mm fixing           Contact characteristics         22mm fixing           Rated insulation voltage Ui         IEC/EN         V         480           Rated insulation voltage Uimp         KV         4           Conventional free air thermal current Ith         IEC/EN         V         480           Rated operational voltage         V         4         4           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational voltage         V         480         4           Rated operational voltage         V         480         4           Maximum fuse size for short-circuit protection in (gG)         10kA         20         15kA         20           Rated short time current Icw         1s         kA         20         15/sA/V         20           Conductivity         1s         kA         20         22/s3/V         4         380/40V         4           AC1/AC21A         220/230V         KW         3         380/40V         4         380/40V         5         380/40V         5         380/40V         5         380/40V					switch without 0 3
Mounting form         mounting with black handle without front plate for hole diam. 22mm fixing           Contact characteristics	N° of elements				
Rated insulation voltage Ui         IEC/EN         V         480 UL/CSA         V         240           Rated impulse withstand voltage Uimp         kV         4         4           Conventional free air thermal current Ith         IEC/EN         A         20 UL/CSA         A         15           Rated operational voltage         V         480         4         4           Maximum fuse size for short-circuit protection In (gG)         V         480         20           15kA         A         20         25kA         A         20           28k4 a A         20         25kA         A         20           28k4 A         20         25kA         A         20           Conductivity         1s         kA         250           Conductivity         10/5 mA/V         0         10/5 mA/V           Operational current Icw         10/5 mA/V         10/5 mA/V           AC15         10/V         A         10           220/230V         A         8         380/400V         A           Acti/Acti/Acti/Actional current Ick         220/230V         KW         3           Acti/Acti/Actional current Ick         110/V         A         10           220/23		2			mounting with black handle without front plate for hole diam.
IEC/EN         V         480           Rated impulse withstand voltage Uimp         kV         4           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational voltage         kV         4           Rated operational impulse voltage         kV         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           15kA         A         20         25kA         A         20           Rated short time current Icw         1s         kA         20         25kA         A         20           Rated short time current Icw         1s         kA         20         25kA         A         20           Conductivity         10/S mA/V         10/S mA/V         0perational current Ick         4         20           AC1/AC21A         A         20         20/230V         A         8           AC15         110/V         A         10         220/230V         A         8           Single-phase AC-3         20/230V         kW         3         3         3           Single-phase AC-3         20/230V         kW         2         3         3           Si					
Conventional free air thermal current lth         IEC/EN         A         20           Rated operational voltage         V         480           Rated operational impulse voltage         kV         4           Maximum fuse size for short-circuit protection ln (gG)         10kA         A         20           15kA         A         20         15kA         A         20           Rated short time current lcw         1         kA         20         25kA         A         20           Conductivity         1s         kA         250         0         00/5 mA/V         00/5 mA/V           Operational current le IEC/EN         A         20         380/400V         A         10           AC15         110V         A         10         220/230V         A         8           Rated operational power in AC         Three-phase AC-3         110V         KW         3         380/400V         kW         5           Single-phase AC-3         110V         kW         0.5         220/230V         kW         4           380/440V         kW         2         380/440V         4         380/440V         4           380/440V         KW         7.5         5         380/44		-		V	240
IEC/EN         A         20           Rated operational voltage         V         480           Rated operational impulse voltage         kV         4           Maximum fuse size for short-circuit protection ln (gG)         10kA         A         20           15kA         A         20         15kA         A         20           Rated short time current lcw         1s         kA         20         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         0/5 mA/V           Operational current le IEC/EN         10/5 mA/V         10/5 mA/V         0/5 mA/V           Operational current le IEC/EN         4         20         10/5 mA/V           AC15         10/V         A         10         220/230V         A         8           AC15         110V         A         6         6         6           Rated operational power in AC         10         220/230V         KW         3         380/440V         kW         5           Single-phase AC-3         110V         kW         0.5         220/230V         kW         4           380/440V         kW         2         220/230V         kW				ĸv	4
Rated operational impulse voltage         kV         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           15kA         A         20         15kA         A         20           Rated short time current Icw         1s         kA         250         25kA         A         20           Querational current Icw         1s         kA         250         10/5 mA/V         00           Operational current Ie IEC/EN         10/5 mA/V         10/5 mA/V         0         5         10/5 mA/V           AC1/AC21A         A         20         A         8         380/400V         A         8           AC15         110V         A         10         220/230V         A         8           Rated operational power in AC         10         220/230V         KW         3           Three-phase AC-3         200/230V         KW         3           20/230V         kW         1.5         380/440V         KW         2           Three-phase AC23A         20/230V         kW         4         380/440V         KW         4           380/440V         kW         7.5         380/440V         KW         7.5					
Maximum fuse size for short-circuit protection ln (gG)         10kA         A         20           13kA         A         20         25kA         A         20           Rated short time current lcw         1s         kA         250         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         00         00/5 mA/V           Operational current le IEC/EN         AC1/AC21A         A         20         AC15         110V         A         10           220/230V         A         8         380/400V         A         6         A           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3         380/440V         kW         5         S           Single-phase AC-3         110V         kW         0.5         220/230V         kW         1.5         380/440V         kW         2         1.5         380/440V         kW         2         1.5         380/440V         kW         2         1.5         380/440V         kW         2         1.5         380/440V         2         20/230V         kW         4         380/440V         4         380/440V         2         220/230V	Rated operational vol	tage			480
10kA         A         20           15kA         A         20           Rated short time current lcw         1s         kA         250           Conductivity         10/5 mA/V         10/5 mA/V           Operational current le IEC/EN         AC1/AC21A         A         20           AC15         10/V         A         10           220/230V         A         8         380/400V         A         6           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3           Single-phase AC-3         110V         kW         3         5           Single-phase AC-3         110V         kW         0.5           220/230V         kW         1.5         380/40V         kW         2           Three-phase AC-3         110V         kW         0.5         220/230V         kW         2           Three-phase AC23A         220/230V         kW         1.5         380/440V         KW         2           Three-phase AC23A         220/230V         kW         4         380/440V         4         380/440V         4           380/440V         kW         2.5         380/440V         KW <t< td=""><td></td><td></td><td></td><td>kV</td><td>4</td></t<>				kV	4
Rated short time current lcw         1s         kA         250           Conductivity         10/5 mA/V         Operational current le IEC/EN         10/5 mA/V           AC1/AC21A         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3           Single-phase AC-3         110V         kW         0.5         220/230V         kW         1.5           380/440V         kW         2         110V         kW         0.5         220/230V         kW         4           220/230V         kW         1.5         380/440V         kW         2           Three-phase AC23A         220/230V         kW         4         380/440V         kW         2           Three-phase AC23A         220/230V         kW         4         380/440V         kW         2           Single-phase AC23A         110V         kW         0.75         220/230V         kW         2           220/230V         kW         2         380/440V         kW         2.5	Maximum fuse size fo	or short-circuit protection In (gG)	15kA	А	20
1s         kA         250           Conductivity         10/5 mA/V           Operational current le IEC/EN         AC1/AC21A           AC1/AC21A         A           AC15         100           AC10         220/230V           Rated operational power in AC         Three-phase AC-3           220/230V         kW         3           Single-phase AC-3         110V         kW           Single-phase AC-3         110V         kW           220/230V         kW         1.5           380/440V         kW         2           Three-phase AC23A         220/230V         kW           220/230V         kW         4           380/440V         kW         7.5           Single-phase AC23A         110V         kW         0.75           220/230V         kW         2         380/440V         kW         2.5	Rated short time curre	ent low	2384	A	20
Operational current le IEC/EN         A         20           AC1/AC21A         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           Rated operational power in AC           Three-phase AC-3         220/230V         kW         3           380/400V         KW         3         380/440V         kW         5           Single-phase AC-3         110V         kW         0.5         220/230V         kW         1.5           380/440V         kW         2         1.5         380/440V         kW         2           Three-phase AC23A         220/230V         kW         4         380/440V         kW         7.5           Single-phase AC23A         110V         kW         0.75         220/230V         kW         2           Three-phase AC23A         110V         kW         0.75         220/230V         kW         2           Single-phase AC23A         110V         kW         0.75         220/230V         kW         2           Single-phase AC23A         110V         kW         0.75         220/230V         kW         2<			1s	kA	
AC1/AC21A         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           Rated operational power in AC           Three-phase AC-3         220/230V         kW         3           Single-phase AC-3         220/230V         kW         5           Single-phase AC-3         110V         kW         0.5           220/230V         kW         1.5         380/440V         kW         2           Three-phase AC23A         110V         kW         4         380/440V         kW         7.5           Single-phase AC23A         110V         kW         0.75         220/230V         kW         2           Three-phase AC23A         110V         kW         0.75         220/230V         kW         2					10/5 mA/V
AC15         110V         A         10           220/230V         A         8         380/400V         A         6           Rated operational power in AC           Three-phase AC-3           220/230V         kW         3           380/440V         kW         5           Single-phase AC-3         110V         kW         0.5           220/230V         kW         1.5         380/440V         kW         2           Three-phase AC23A         220/230V         kW         4         380/440V         kW         2           Three-phase AC23A         220/230V         kW         4         380/440V         kW         2           Three-phase AC23A         110V         kW         0.75         220/230V         kW         4           380/440V         kW         2.5         380/440V         kW         2.5	Operational current le			Δ	20
110V         A         10           220/230V         A         8           380/400V         A         6           Rated operational power in AC           Three-phase AC-3           220/230V         kW         3           380/440V         kW         3           Single-phase AC-3         110V         kW         3           220/230V         kW         1.5         380/440V         kW         2           Three-phase AC-3         110V         kW         0.5         220/230V         kW         1.5           380/440V         kW         2         2         2         2         2           Three-phase AC23A         220/230V         kW         4         380/440V         kW         4           380/440V         kW         7.5         3         3         3         3           Single-phase AC23A         110V         kW         0.75         3		AC15			20
Three-phase AC-3       220/230V       kW       3         380/440V       kW       5         Single-phase AC-3       110V       kW       0.5         220/230V       kW       1.5         380/440V       kW       2         Three-phase AC23A       220/230V       kW       4         380/440V       kW       2         Three-phase AC23A       220/230V       kW       4         380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.75         220/230V       kW       2       380/440V       kW       2			220/230V	А	8
220/230V       kW       3         380/440V       kW       5         Single-phase AC-3       110V       kW       0.5         220/230V       kW       1.5       380/440V       kW       2         Three-phase AC23A       220/230V       kW       4       380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.75       220/230V       kW       2	Rated operational pov	wer in AC			
110V       kW       0.5         220/230V       kW       1.5         380/440V       kW       2         Three-phase AC23A       220/230V       kW       4         380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.75         220/230V       kW       2         380/440V       kW       0.75         230/230V       kW       2         380/440V       kW       2.5					
220/230V       kW       1.5         380/440V       kW       2         Three-phase AC23A       220/230V       kW       4         380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.75         220/230V       kW       2         380/440V       kW       2.5		Single-phase AC-3			
Three-phase AC23A       220/230V       kW       4         380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.75         220/230V       kW       2         380/440V       kW       2.5			220/230V	kW	1.5
220/230V         kW         4           380/440V         kW         7.5           Single-phase AC23A         110V         kW         0.75           220/230V         kW         2           380/440V         kW         2.5			380/440V	kW	2
Single-phase AC23A 110V kW 0.75 220/230V kW 2 380/440V kW 2.5		Three-phase AC23A			
110V kW 0.75 220/230V kW 2 380/440V kW 2.5		Single-phase AC23A	360/440V	ĸvv	1.0
380/440V kW 2.5		Ungie-phase AUZSA			
			380/440V	kW	2.5

## Rated operational current in DC

GF2056U11



ROTARY CAM SWITCH GF SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

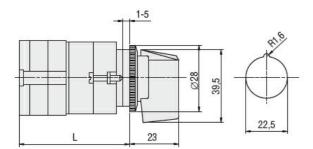
JUC21A         48V         A         20           60V         A         20           110V         A         4           220V         A         0.7           440V         A         0.2           DC13         24V         A         6           440V         A         0.2           100V         A         3           110V         A         1           220V         A         0.4           440V         A         6           40V         A         0.4           40V         A         0.4           40V         A         0.4           40V         A         0.5           Terminals screw         M3         1           Terminals screw         M3         12           Conductor size         MWG - Rigid cable         Max           Max         AWG 20         Max           AWG - Rigid cable         min         mm* 2.5           Conductor size (IEC) - Flexible cable         min         mm* 2.5           Conductor size (IEC) - Rigid cable         min         mm* 2.5           VLeconical data         cycles         110*		Doota			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		DC21A	40\/	۸	20
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					
440v         A         0.2           DC13         24v         A         6           48v         A         6           60v         A         3           110v         A         1           220v         A         0.4           440v         A         0.1           Power dissipation         W         0.8           Mechanical features         W         0.8           Terminals screw         M3         1           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         Max           Max         AWG         12           AWG - Flexible cable         min         AWG           Max         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²           Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²           Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²           Motor power for direct-on-line control         for single-phase motor         240v           Motor power for direct-on-line control<					
DC13         24V         A         6           48V         A         6           60V         A         3           110V         A         1           220V         A         0.4           440V         A         0.15           Power dissipation         W         0.8           Mechanical features         M3           Terminals screw         M3           Tightening torgroup for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         Max         AWG           AWG - Flexible cable         min         AWG         20           Max         AWG         12         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Conductor size (IEC) - Flexible cable         min         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Motor power for direct-on-line control         for three-phase motor         240V         HP         3           Motor power for direct-on-line control         for three-phase motor         min         "C         +55           Motor power for direct-on-line control<					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		DC12	440 V	A	0.2
$\begin{tabular}{ c c c c c } & 48V & A & 6\\ & 60V & A & 3\\ & 110V & A & 1\\ & 220V & A & 0.4\\ & 440V & A & 0.15\\ \hline \\ \hline$		DC13	241/	۸	C
$ \begin{array}{c c c c c c } \hline & \begin{array}{c} 60 \\ 110 \\ 120 \\ A & 1 \\ 220 \\ A & 0.4 \\ 140 \\ 440 \\ A & 0.15 \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \hline \end{array} \\ \hline \hline \end{array} \\ \hline \hline \end{array} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \end{matrix} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \hline \rule{0pt}{3pt} \\ \hline \hline \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \rule{0pt}{3pt} \\ \hline \hline \hline \rule{0pt}{3pt} \\ \hline \hline \hline \hline \hline \hline \rule{0pt}{3pt} \\ \hline $					
$\begin{array}{c c c c c c c } & 110 & A & 1 \\ & 220 & A & 0.4 \\ & 440 & A & 0.15 \\ \hline \end{array} $ \hline \end{array} \\ \hline \end{array}  \hline \end{array} \\ \hline \end{array}  \hline } \\ \hline \end{array}  \\ \hline \end{array}  \\ \hline  \\ \hline \end{array}  \hline  \\ \hline  \hline  \hline \end{array}  \hline \end{array} \\ \hline \end{array}  \hline \end{array}  \hline \\  \hline  \\ \hline \end{array}  \hline \end{array}  \hline \\  \hline  \\ \hline \end{array}  \hline  \\ \hline  \\ \hline \end{array}  \hline  \\ \hline  \\ \hline \end{array}  \hline \\  \hline \\ \hline \end{array}  \\ \hline  \\ \hline  \\ \hline \end{array}  \hline \\  \hline  \\ \hline \\  \\					
220V         A         0.4           440V         A         0.15           Power dissipation         W         0.8           Mechanical features         M3           Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         12           AWG - Flexible cable         min         AWG         12           AWG - Flexible cable         min         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Max         mm²         2.5         Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Motor power for direct-on-line control         for three-phase motor         240V         HP         3           Temperature         min         mc         -2.5         -2.5         -2.5					
440V         A         0.15           Power dissipation         W         0.8           Mechanical features         M3           Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           AWG - Flexible cable         min         AWG         20           AWG - Flexible cable         min         AWG         20           AWG - Flexible cable         min         AWG         20           Max         AWG         12         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Mechanical life         cycles         1x10°         1           UL technical data         mm²         2.5         1x10°           UL technical data         cycles         1x10°         1           Motor power for direct-on-line control for three-phase motor         240V         HP         3           for single-phase motor         240V         HP         3           Temperature         min         °C         -25           Storage temperature         min         °C <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Power dissipation         W         0.8           Mechanical features         M3           Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG 20           Max         AWG 20         Max         AWG 12           AWG - Flexible cable         min         AWG 20           Max         AWG 12         AWG 12           Conductor size (IEC) - Flexible cable         min         mm² 2.5           Conductor size (IEC) - Rigid cable         min         mm² 2.5           Mechanical life         cycles         1x10°           Ut technical data         rmm² 2.5         stringle-phase motor           If or single-phase motor         240V         HP 3           for single-phase motor         240V         HP 1           Ambient conditions         zero         zero           Temperature         Operating temperature         min °C -25           Storage temperature         min °C -40         -455           Storage temperature         min °C -40         -40           max °C +70         res         -40           Frontal IP degree         IP40         -40 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Mechanical features       M3         Terminals screw       Nm       0.5         Conductor size       AWG - Rigid cable       min       AWG 20         Max       AWG 12       Max       AWG 12         AWG - Flexible cable       min       AWG 20         Max       AWG 12       Max       AWG 12         Conductor size (IEC) - Flexible cable       min       mm² 2.5         Conductor size (IEC) - Rigid cable       min       mm² 2.5         Conductor size (IEC) - Rigid cable       min       mm² 2.5         Conductor size (IEC) - Rigid cable       min       mm² 2.5         Max       mm² 2.5       110°         UL technical data       cycles       1x10°         Motor power for direct-on-line control for three-phase motor       240V       HP       3         Ambient conditions       zuro       zuro       max       *C       -25         Temperature       Operating temperature       min       *C       -25         Storage temperature       min       *C       -25         Storage temperature       min       *C       -25         Frontal IP degree       min       *C       -40         max<	Dower disaination		440 V		
Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG 20           Max         AWG 12         AWG - Flexible cable         min         AWG 20           Max         AWG 12         AWG - Flexible cable         min         AWG 20           Max         AWG 12         AWG 12         AWG - Flexible cable         min         AWG 20           Conductor size (IEC) - Flexible cable         min         mm² 2.5         Max         mm² 2.5           Conductor size (IEC) - Rigid cable         min         mm² 2.5         Max         mm² 2.5           Mechanical life         cycles         1x10°         UL         technical data         utechnical cable         utechn				VV	0.8
Tightening torque for terminals max       Nm       0.5         Conductor size       AWG - Rigid cable       min       AWG       20         Max       AWG       12       AWG - Flexible cable       min       AWG       20         Max       AWG       12       AWG - Rigid cable       min       AWG - Rigid cable       Max       AWG       12         AWG - Flexible cable       min       AWG - So       Max       AWG - So       Max       AWG - So       Max       MWG - Rigid cable       Max       MWG - Rigid cable       Max       MWG - So       Max       Max       2.5       Max       Mm <sup>2</sup> 2.5       Max       Max       Mutor       0.5       Max       Max       Mutor       0.5       Max       Max       Mutor       0.5       Max       Max       1.5       Max       Max       1.5       Max       Max       1.5       Max       Max       1.6       Max					MO
Conductor size       AWG - Rigid cable       min       AWG       20         Max       AWG       12         AWG - Flexible cable       min       AWG       20         Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       0.5       Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5       Max       mm²       2.5         Mechanical life       cycles       1x10°       U       technical data       mm²       2.5         Motor power for direct-on-line control       for single-phase motor       240V       HP       3         Ifor single-phase motor       240V       HP       1       4         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       -25       -5         Storage temperature       min       °C       -40       -40         max       °C       +70       -40       -40       -40         max       °C       +70       -40 </td <td></td> <td>· · ·</td> <td></td> <td></td> <td></td>		· · ·			
AWG - Rigid cable         min         AWG         20           Max         AWG         12           AWG - Flexible cable         min         AWG         20           Max         AWG         20         Max           AWG - Flexible cable         min         AWG         20           Max         AWG         12         Max         AWG         12           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         1x10°         1         1         1           UL technical data         mm²         2.5         1         1         1           Motor power for direct-on-line control         for single-phase motor         z         1         1           Ambient conditions         z         240V         HP         3         1           Temperature         Operating temperature         min         °C         -25         25           Storage temperature         min         °C         -25         -55         5         5 </td <td></td> <td>erminals max</td> <td></td> <td>Nm</td> <td>0.5</td>		erminals max		Nm	0.5
$\begin{tabular}{ c c c c } \hline min & AWG & 20 & & & & & & & & & & & & & & & & & $	Conductor size				
Max         AWG         12           AWG - Flexible cable         min         AWG         20           Max         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Max         Mm²         2.5         Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         0.5         Max         mm²         2.5           Mechanical life         cycles         1x10°         UL         technical data         mm²         2.5           Motor power for direct-on-line control for three-phase motor         for single-phase motor         z40V         HP         3           for single-phase motor         240V         HP         1         Ambient conditions         max         °C         +55           Temperature         Operating temperature         min         °C         +55         5           Storage temperature         min         °C         +55         5            Resistance & Protection         rer         rer         ref         ref         70           Resistance & Protection         rer         IP40         1         1         1		AWG - Rigid cable			
AWG - Flexible cable       min       AWG       20         Max       AWG       12         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         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data       cycles       1x10°         UL technical data            Motor power for direct-on-line control for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions             Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       -25          Storage temperature       min       °C       -40       max       °C       +70         Resistance & Protection           HP40          Terminals IP degree					
$\begin{tabular}{ c c c c } \hline min & AWG & 20 \\ \hline Max & AWG & 12 \\ \hline \hline Conductor size (IEC) - Flexible cable & $$$$ $$$ $$$ $$$ $$$ $$$ $$$ $$$$ $$			Max	AWG	12
MaxAWG12Conductor size (IEC) - Flexible cableminmm²0.5Maxmm²2.50.5Conductor size (IEC) - Rigid cableminmm²2.5Mechanical lifecycles1x10°0.5UL technical datacycles1x10°0.5Motor power for direct-on-line control for three-phase motor240VHP3for single-phase motor240VHP3Temperature240VHP1Ambient conditions240VHP1Temperaturemin°C-25Max°C+555Storage temperaturemin°C-40min°C-40max°CFrontal IP degreeiP40iP40iP40Terminals IP degreeiP40iP20iP20		AWG - Flexible cable			
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         Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5         Mechanical life       0.5       Max       mm²       2.5         UL technical data       cycles       1x10°         UL technical data       1x10°       1         Motor power for direct-on-line control for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Max       °C       +55       5       5         Storage temperature       min       °C       +55         Max       °C       +55       5         Storage temperature       min       °C       +70         Resistance & Protection       IP40       1       1         Terminals IP degree       IP40 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
$\begin{array}{c c c c c } & & & & & & & & & & & & & & & & & & &$			Max	AWG	12
Maxmm²2.5Conductor size (IEC) - Rigid cableminmm²0.5Maxmm²2.5Maxmm²2.5Mechanical lifecycles1x10°UL technical datauuUL technical datauuuuuMotor power for direct-on-line control for three-phase motoruuuufor single-phase motoruuuuuAmbient conditionsuuuuuTemperatureOperating temperatureuuuuMax°C-25max°C+55Storage temperaturemin°C-40max°C+70Resistance & ProtectionuuuuuuFrontal IP degreeuIP40uuuTerminals IP degreeuuuuuuImaxvuuuuuuImaxvuuuuuuuImaxvuuuuuuuuImaxvuuuuuuuuuuuImage: Storage temperaturemin°Cuuuuuuuuuuuuuuuuuuuuuuuuu <t< td=""><td></td><td>Conductor size (IEC) - Flexible cable</td><td></td><td></td><td></td></t<>		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data           Motor power for direct-on-line control           for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       +55         Storage temperature       min       °C       -40         max       °C       +70          Resistance & Protection       IP40           Frontal IP degree       IP40			min	mm²	
min         mm²         0.5           Max         mm²         2.5           Mechanical life         cycles         1x10°           UL technical data			Max	mm²	2.5
Maxmm²2.5Mechanical lifecycles1x10°UL technical dataFor three-phase motor100°for three-phase motor240VHP3for single-phase motor240VHP1Ambient conditions240VHP1TemperatureOperating temperaturemin°C-25max°C+55Storage temperaturemin°C+55Storage temperaturemin°C+70Resistance & ProtectionFrontal IP degreeIP40Terminals IP degreeIP20IP20		Conductor size (IEC) - Rigid cable			
Mechanical life       cycles       1x10 <sup>6</sup> UL technical data       Motor power for direct-on-line control       1x10 <sup>6</sup> for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Max       °C       +55       5         Storage temperature       min       °C       -40         max       °C       +70       70         Resistance & Protection         Frontal IP degree       IP40       1         Terminals IP degree       IP20       IP20			min	mm²	0.5
UL technical data       V       HP       3         Motor power for direct-on-line control for three-phase motor       240V       HP       3         ambient conditions       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       v       -25 max       vC       -25 v         Storage temperature       min       °C       -25 v       v       +55         Storage temperature       min       °C       -40 max       °C       +70         Resistance & Protection         Frontal IP degree       IP40       IP20			Max	mm²	2.5
Motor power for direct-on-line control for three-phase motor $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Mechanical life			cycles	1x10 <sup>6</sup>
for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature	UL technical data				
240VHP3for single-phase motor240VHP1Ambient conditions240VHP1TemperatureOperating temperature	Motor power for direct-	on-line control			
for single-phase motor       240V       HP       1         Ambient conditions		for three-phase motor			
Ambient conditions240VHP1TemperatureOperating temperatureMin°C-25max°C+55Storage temperature </td <td></td> <td></td> <td>240V</td> <td>HP</td> <td>3</td>			240V	HP	3
Ambient conditions         Temperature         Operating temperature         min       °C         -25         max       °C         Storage temperature         min       °C         Storage temperature         min       °C         -40         max       °C         +70         Resistance & Protection         Frontal IP degree       IP40         Terminals IP degree       IP20		for single-phase motor			
Temperature       Operating temperature         min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection         Frontal IP degree       IP40         Terminals IP degree       IP20			240V	HP	1
Operating temperature       min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection         Frontal IP degree       IP40         Terminals IP degree       IP20	Ambient conditions				
min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection         Frontal IP degree       IP40         Terminals IP degree       IP20	Temperature				
max°C+55Storage temperaturemin°C-40max°C+70Resistance & ProtectionFrontal IP degreeIP40Terminals IP degreeIP20		Operating temperature			
Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection       IP40         Frontal IP degree       IP40         Terminals IP degree       IP20			min	°C	-25
min°C-40max°C+70Resistance & ProtectionFrontal IP degreeIP40Terminals IP degreeIP20			max	°C	+55
min°C-40max°C+70Resistance & ProtectionFrontal IP degreeIP40Terminals IP degreeIP20		Storage temperature			
Resistance & ProtectionFrontal IP degreeIP40Terminals IP degreeIP20			min	°C	-40
Resistance & ProtectionFrontal IP degreeIP40Terminals IP degreeIP20			max	°C	+70
Frontal IP degreeIP40Terminals IP degreeIP20	Resistance & Protectic	on			
Terminals IP degree IP20					IP40

GF2056U11



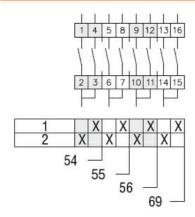


ROTARY CAM SWITCH GF SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING



Series	L				
Series	1	2	3	8	
GF20	54.5	68	81.5	203	

## Wiring diagrams



## Certifications and compliance

Compliance

	CSA C22.2 n° 14	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates		
	cULus	
	EAC	
ETIM classification		
		EC004020

**ETIM 8.0** 

EC001029 -Selector switch, complete