

# **GF2013U** ROTARY CAM SWITCH GF SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product type designation $GF20$ General characteristics $GF20$ Switching diagram $GF20$ Swit	Product designation			Rotary cam
General characteristics         13 - Dahlander motor control switching diagram         13 - Dahlander motor control           Switching diagram         4           N° of elements         4           Mounting form         U - Front mounting with black handle           Contact characteristics         8           Rated insulation voltage Uip         KV         4           Conventional free air thermal current lth         IEC/EN         V         480           Rated operational voltage         V         480         4           Conventional free air thermal current lth         IEC/EN         A         20           Rated operational voltage         V         480         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           Canductivity         1s         KA         250         10/5 mA/V           Operational current le IEC/EN         A         8         380/400/V         A         8           Canductivity         10/5 mA/V         10/5 mA/V         20/230/V         A         8           Operational power in AC	-			
Switching diagram         13 - Dahlander motor control switch 1-0-2           N° of elements         4           Mounting form         U-Front mounting with back handle           Contact characteristics         UU/CSA           Rated insulation voltage Uimp         KV           Conventional free air thermal current Ith         IEC/EN         A           Conventional free air thermal current Ith         IEC/EN         A           Rated operational voltage         V         480           Maximum fuse size for t-circuit protection In (gG)         KV         4           Maximum fuse size for t-circuit protection In (gG)         10KA         A         20           Conductivity         10/5 mA/V         4         20           Conductivity         10/5 mA/V         20         20           Conductivity				0120
Mounting form         U - Front mounting with black handle           Contact characteristics         IEC/EN         V         480           Rated insulation voltage Uimp         KV         4           Conventional free air thermal current Ith         IEC/EN         X         4           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational voltage         V         480         4           Rated operational impulse voltage         KV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         20         15kA         A         20           Rated short time current Icw         1s         kA         20         25kA         A         20           Conductivity         1s         kA         20         25kA         A         20           Conductivity         1s         kA         20         25kA         A         20           Conductivity         1s         kA         20         20/230V         A         8           Rated operational current Ic/EN         20/230V         KW         3         380/400V         A         6           Rated operational power in AC         10         220/2	Switching diagram			motor control
Mounting form         mounting with black handle           Contact characteristics         IEC/EN         V         480           Rated insulation voltage Uimp         KV         4           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational voltage         V         480         4           Rated operational voltage         V         480         4           Rated operational voltage         V         480         4           Rated operational impulse voltage         KV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           Rated short time current Icw         1s         kA         250           Conductivity         1s         kA         250           Operational current Ic IEC/EN         A         20           AC1/AC21A         A         20           AC15         110V         A         6           Rated operational power in AC         20/230V         A         6           Rated operational power in AC         20/230V         A         6           Single-phase AC-3         110V         KW         0.5           220/230V	N° of elements			4
IEC/EN         V         480           UL/CSA         V         240           Rated impulse withstand voltage Uimp         kV         4           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational voltage         V         480         4           Rated operational impulse 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         A         20           Rated short time current lcw         1s         kA         20         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         0         26kA         20         26kA         20	Mounting form			mounting with
IEC/EN         V         480           Rated impulse withstand voltage Uimp         KV         4           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational voltage         V         480         4           Rated operational voltage         V         480         4           Rated operational impulse voltage         V         480         4           Rated operational impulse voltage         V         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           Rated short time current Icw         15 kA         A         20           Conductivity         1s         kA         250           Conductivity         10/5 mA/V         0         10/5 mA/V           Operational current Ic         10/5 mA/V         0         220/230V         A         8           AC1/AC21A         4         20         10/5 mA/V         0         220/230V         A         8           AC1/AC21A         10/5 mA/V         220/230V         A         8         380/400V         A         6           Rated operational power in AC         110/V         KW         3         380/	Contact characteristics			
UL/CSA         V         240           Rated inpulse withstand voltage Uimp         kV         4           Conventional free air thermal current lth         IEC/EN         A         20           Rated operational voltage         V         480         4           Rated operational impulse voltage         kV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           15kA         A         20         25kA         A         20           25kA         A         20         25kA         A         20           Conductivity         10kA         A         20         20         25kA         A         20           Conductivity         10/5 mA/V         0perational current lcw         10/5 mA/V         0perational current lcw         10/5 mA/V           AC1/AC21A         A         20         A         8         380/400V         A         8           Rated operational power in AC         10/2 220/230V         A         8         380/400V         A         6           Single-phase AC-3         10/V         X/W         0.5         380/440V         KW         3           Single-phase AC23A	Rated insulation voltage Ui			
Rated impulse withstand voltage Uimp         kV         4           Conventional free air thermal current lth         IEC/EN         A         20           Rated operational voltage         V         480         480           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 lcw         1s         kA         20         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         00         20/230V         A         8           AC1/AC21A         A         20         10/5 mA/V         0         220/230V         A         8           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         2           Three-phase AC23A         220/230V         kW         4         380/440V         4W         380/440V         kW         2           Th				
Conventional free air thermal current lth         IEC/EN         A         20           Rated operational voltage         v         480         480           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 lcw         1s         kA         20         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         0         0           Operational current le IEC/EN         AC1/AC21A         A         20         A         8           AC15         110V         A         10         220/230V         A         8           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3           Single-phase AC-3         110V         KW         0.5         220/230V         kW         2           Three-phase AC23A         220/230V         kW         1.5         380/440V         380/440V         4         380/440V         4         380/440V         kW         2.5           Single-ph		UL/CSA		
IEC/EN         A         20 UL/CSA           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         A         20           Rated short time current lcw         1s         kA         20         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         0           Operational current le IEC/EN         A         20         AC15         10/5 mA/V           AC15         110V         A         10         220/230V         A         8           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           Single-phase AC-3         110V         kW         0.5         220/230V         kW         4           380/440V         kW         2         1.5         380/440V         kW         2           Three-phase AC23A         220/230V         kW <td></td> <td></td> <td>kV</td> <td>4</td>			kV	4
UL/CSA         A         15           Rated operational impulse 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         1skA         A         20           Conductivity         1s         kA         250           Operational current lcK         10/5 mA/V         0           AC15         10/5 mA/V         0           Querational power in AC         A         20           Three-phase AC-3         110V         A         8           Single-phase AC-3         110V         KW         3           Single-phase AC-3         110V         KW         3           Single-phase AC-3         110V         KW         1.5           Single-phase AC-3         110V         KW         2           Three-phase AC-3         110V         KW         2           Three-phase AC-3         110V         KW         2           Single-phase AC-3         20/230V         KW         4	Conventional free air thermal current Ith			
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         25kA         A         20           Rated short time current lcw         1s         kA         26         26           Conductivity         10's         kA         20         20           Qperational current le IEC/EN         10's         kA         20           AC15         110'V         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         KV         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         2.5           Single-phase AC23A         220/230V         kW         4         380/440V         kW         2.5           Single-phase			А	20
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 lcw         1s         kA         250         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         00/5 mA/V           Operational current le IEC/EN         AC1/AC21A         A         20         A         8           AC15         110V         A         10         220/230V         A         8           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           Single-phase AC-3         110V         kW         0.5         220/230V         kW         4           380/440V         kW         2         Three-phase AC23A         110V         KW         0.5           220/230V         kW         4         380/440V         kW         2         380/440V         2           Three-phase AC23A		UL/CSA		15
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         250         25kA         A         20           Conductivity         1s         kA         250         10/5 mA/V         0         26kA         A         20           Active         Active         10/5 mA/V         0         20/230V         A         10           220/230V         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         4           280/440V         kW         2         15         380/440V         kW         2           Three-phase AC23A         110V         kW         0.5         220/230V         kW         4           380/440V         kW         2         2         380/440V         KW         2           Single	Rated operational voltage			480
10kA         A         20           15kA         A         20           Rated short time current lcw         1s         kA         250           Conductivity         1s         kA         250           Operational current le IEC/EN         10/5 mA/V         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         380/440V         kW         5           Single-phase AC-3         110V         kW         0.5         220/230V         kW         15           380/440V         kW         2         220/230V         kW         4         380/440V         kW         2           Three-phase AC-3         110V         kW         0.5         380/440V         kW         2           Three-phase AC-3         220/230V         kW         1.5         380/440V         kW         2           Three-phase AC23A         220/230V         kW         4         380/440V         2         380/440V         2	Rated operational impulse voltage		kV	4
15kA         A         20           Rated short time current low         1s         kA         20           Conductivity         1s         kA         250           Conductivity         10/5 mA/V         10/5 mA/V           Operational current le IEC/EN         AC1/AC21A         4         20           AC1/AC21A         AC1/5         110V         A         10           AC15         110V         A         10         220/230V         A         8           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3           Single-phase AC-3         110V         kW         0.5         220/230V         kW         2           Three-phase AC-3         110V         kW         0.5         220/230V         kW         2           Three-phase AC-3         110V         kW         0.5         220/230V         kW         2           Three-phase AC23A         110V         kW         2         380/440V         kW         2           Three-phase AC23A         110V         kW         2.5         380/440V         kW         2           Single-phase AC23A         110V         kW         2.5         380/440	Maximum fuse size for short-circuit protection In (gG)			
25kA         A         20           Rated short time current Icw         1s         kA         250           Conductivity         1s         kA         250           Operational current Ie IEC/EN         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         2           Three-phase AC-3         110V         kW         0.5         220/230V         kW         1.5           Single-phase AC-3         110V         kW         2         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         2.5           Rated operational current in DC         220/230V         kW         2.5         380/440V         kW         2.5			А	
Rated short time current low         1s         kA         250           Conductivity         10/5 mA/V         0         0         mA/V           Operational current le IEC/EN         A         20         A         A         20           AC1/AC21A         A         20         A         A         10         220/230V         A         B         380/400V         A         6           Rated operational power in AC         Three-phase AC-3         220/230V         KW         3         380/40V         KW         5           Single-phase AC-3         110V         KW         0.5         220/230V         kW         1.5           380/440V         kW         2         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           Actional current in DC         2380/440V         kW         2.5         380/440V         kW         2.5			A	
1s         kA         250           Conductivity         10/5 mA/V           Operational current le IEC/EN         AC1/AC21A         A         20           AC15         110V         A         10           AC15         110V         A         8           380/400V         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         5         5           Single-phase AC-3         110V         kW         0.5           220/230V         kW         1.5         380/440V         kW         2           Three-phase AC-3         110V         kW         2         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           Single-phase AC23A         110V         kW         2.5         380/440V		25kA	A	20
Conductivity         10/5 mA/V           Operational current le IEC/EN         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           Three-phase AC-3         110V         kW         0.5         220/230V         kW         1.5           380/440V         kW         2         7         380/440V         kW         2           Three-phase AC23A         110V         kW         4         380/440V         kW         2           Three-phase AC23A         220/230V         kW         4         380/440V         kW         2           Single-phase AC23A         110V         kW         0.75         380/440V         kW         2.5           Rated operational current in DC         DC21A         221A         25         380/440V         380/440V         2.5	Rated short time current Icw			
AC1/AC21A         A         20           AC15         110V         A         10           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           Three-phase AC-3         110V         kW         0.5         220/230V         kW         4           380/440V         kW         2         7         7.5         5         5           Single-phase AC23A         220/230V         kW         4         380/440V         kW         7.5           Single-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           Single-phase AC23A         110V<		1s	kA	
AC1/AC21A AC15 AC15 AC15 AC15 AC15 AC15 AC15 AC	Conductivity			10/5 mA/V
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           380/440V         kW         5         5         5           Single-phase AC-3         110V         kW         0.5           220/230V         kW         1.5         380/440V         kW         2           Three-phase AC23A         110V         kW         2         1.5           Single-phase AC23A         220/230V         kW         4         380/440V         8W         2           Three-phase AC23A         220/230V         kW         4         380/440V         8W         2           Single-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           Single-phase AC23A         110V         kW         2.5         380/4	•			
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         Three-phase AC23A         20/230V       kW       4         380/440V       kW       7.5         Single-phase AC23A         110V       kW       0.75         Single-phase AC23A         110V       kW       0.75         Single-phase AC23A         110V       kW       2         380/440V         220/230V       kW       2         380/440V       kW       2         380/440V       kW       2         380/440V       kW       2         20/230V       kW       2         Single-p	AC1/AC21A		А	20
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           Single-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         2.5         380/440V         kW         2.5           Rated operational current in DC         221A         25         380/440V         kW         2.5	AC15			
380/400V         A         6           Rated operational power in AC           Three-phase AC-3         220/230V         kW         3           380/440V         kW         5         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           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         2.5         380/440V         kW         2.5           Rated operational current in DC         DC21A         25         380/440V         kW         2.5		110V	А	10
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         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         Rated operational current in DC         DC21A       C21A		220/230V	А	8
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       2         Three-phase AC23A       220/230V       kW       4         380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.75         220/230V       kW       2       2         Single-phase AC23A       110V       kW       2         Single-phase AC23A       110V       kW       2         Single-phase AC23A       2       380/440V       kW       2         Rated operational current in DC       DC21A       J       J       J		380/400V	А	6
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           Single-phase AC23A         110V         kW         0.75         220/230V         kW         2           Single-phase AC23A         110V         kW         0.75         220/230V         kW         2           Rated operational current in DC         DC21A         L         L         L         L	Rated operational power in AC			
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         4           380/440V         kW         7.5         380/440V         kW         7.5           Single-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           Rated operational current in DC         DC21A         UC21A         UC21A         UC21A         UC21A	Three-phase AC-3			
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         380/440V         kW         2.5           Rated operational current in DC           DC21A         Logan			kW	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         Single-phase AC23A       110V       kW       0.75         220/230V       kW       2       380/440V       kW       2.5         Rated operational current in DC       DC21A       U       U       U       U		380/440V	kW	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         Rated operational current in DC         DC21A       Logo (Colspan="2">Colspan="2"Col	Single-phase AC-3			
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         Rated operational current in DC       DC21A       U				
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           Rated operational current in DC         DC21A         DC21A				
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 operational current in DC       DC21A       U		380/440V	kW	2
380/440V         kW         7.5           Single-phase AC23A         110V         kW         0.75           220/230V         kW         2           380/440V         kW         2.5	Three-phase AC23A			
Single-phase AC23A         110V         kW         0.75           220/230V         kW         2           380/440V         kW         2.5				
110V       kW       0.75         220/230V       kW       2         380/440V       kW       2.5         DC21A		380/440V	kW	7.5
220/230V         kW         2           380/440V         kW         2.5           Rated operational current in DC         DC21A         DC21A	Single-phase AC23A			
380/440V       kW       2.5         Rated operational current in DC       DC21A       DC21A				
Rated operational current in DC DC21A				
DC21A		380/440V	kW	2.5
48V A 20	DC21A		-	
		48V	A	20

GF2013U

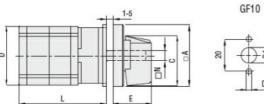


**GF2013U** ROTARY CAM SWITCH GF SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

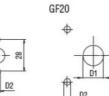
		60V	А	20
		110V	A	4
		220V	A	0.7
		440V	A	0.2
	DC13	1101		0.2
	5010	24V	А	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		440 V	 W	0.8
Mechanical features			VV	0.8
Terminals screw				M3
			Nime	
Tightening torque for t	erminais max		Nm	0.5
Conductor size				
	AWG - Rigid 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	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 <sup>6</sup>
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			
	- F	min	°C	-25
		max	°Č	+55
	Storage temperature	max		
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on	Παλ	U	
Frontal IP degree				IP40
Terminals IP degree				IP40
Dimensions				
Dimensions				



# **GF2013U** ROTARY CAM SWITCH GF SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



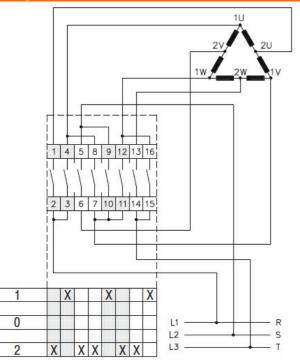




Drillings for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements												
	□A	С	D	ØD1	ØD2	E	□K	Ν	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	24	29	9	3.2	18.5	-	Ø5	40	52	64	76	88	100	112	124	-	-	-	-
GF20	48	39.5	36	12	5	26.5	36	□6	44	57.5	71	84.5	98	111.5	125	138.5	152	165.5	179	192.5

### 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 EC001029 - Selector switch, complete