

# **7GN2005U47** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Product designation 70N2 Product designation 70N20 Product type designation 70N20 Product type designation 70N20 Switching diagram 05.0 NUCFE Switching diagram 1 No of elements 1 No of elements 1 Mounting form 1 Mounting form 1 Contact characteristics Rated insulation voltage Uim 1 Contact characteristics Rated operational voltage Uim 1 Rated operational inputse voltage 1 Rated operational prover in AC Rated operational power in AC Rated operational power in AC Rated operational power in AC Three-phase AC-3 10V KW 3 300/440V KW 5.5 Single-phase AC-3 10V KW 0.8 220/230V KW 5 300/440V KW 5.5 Single-phase AC23A 10V KW 0.8 220/230V KW 5 300/440V KW 5 300/44	Droduct designation				<sup>o</sup> Rotary cam
General Pharacteristics         05 - ON/OFF           Switching diagram         05 - ON/OFF           N° of elements         1           N° of elements         U47 - Snap on from mounting with black handle for hole diam.           Contact characteristics         22mm finxing           Rated insulation voltage Ui         IEC/EN         V         690           Quit/CSA         V         600         22mm finxing           Contact characteristics         22mm finxing         22mm finxing           Contact characteristics         2         2         2           Rated insulation voltage Uimp         kV         6         6           Conventional free air thermal current lth         IEC/EN         A         20           Rated operational inputes voltage         kV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           If KAA         16         25kA         A         16           Rated operational current low         1s         A         250           Conductivity         10/5 mA/V         00         6           Operational current le IEC/EN         A         20         330/400V         A         6           Rat	-				
Switching diagram         05 - ONVOFF           N° of elements         1           Mounting form         1477 - Snap on from mounting           Contact characteristics         with black handle dime.           Rated insulation voltage Ui         IEC/EN         V           Rated insulation voltage Uimp         kV         6           Conventional free air thermal current ith         IEC/EN         V         600           Rated operational voltage         V         480         8           Rated operational voltage         KV         4         480           Rated operational voltage         KV         4         480           Rated operational voltage         KV         4         480           Rated operational voltage         KV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           15kA         A         16         16         16           Rated short time current Icw         15         A         20           Conductivity         10/5 mA/V         0         220/230V         A         8           AC15         110V         A         10         220/230V         A         8					7GN20
Switch ng diagram         switch 1 pole           N° of elements         1           Mounting form         U47 - Snap on from mounting with black handle for hole dam. 22mm finxing           Contact characteristics         22mm finxing           Rated insulation voltage Ui         IEC/EN         V         690           QuitCSA         V         600         0           Rated insulation voltage Uimp         KV         6         6           Conventional free air thermal current Ith         IEC/EN         A         20           Rated operational impulse voltage         KV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           Tasked operational impulse voltage         KV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           Conductivity         10/5 mA/V         0         0         00/5 mA/V           Operational current lew         15         A         20           AC15         110V         A         10           220/2030V         A         8         380/400V         A           AC15         110V         XW         1.5 <tr< td=""><td></td><td>3</td><td></td><td></td><td>05 - ON/OFF</td></tr<>		3			05 - ON/OFF
Mounting form         U47 - Snap on from mounting with black handle tor hole diam. 22mm finxing           Contact characteristics         22mm finxing           Rated insulation voltage Ui         IEC/EN         V         690           Rated insulation voltage Uimp         KV         6           Conventional free air thermal current Ith         IEC/EN         X         600           Rated operational voltage         V         480         4           Rated operational impulse voltage         V         480         4           Rated operational impulse voltage         KV         4           Maximum fuse size for short-circuit protection In (gG)         0         A         20           10kA         A         20         10kA         20           10kA         A         20         10kA         20           10kA         A         20         10kA         16           Rated short time current low         1s         A         250           Conductivity         10/5 mA/V         0         20/2020V         A           AC15         110/V         A         10         220/230V         A           220/230V         KW         3         30/440V         KW         5.5	Switching diagram				
Mounting form         from mounting with black handle tor hole diam. 22mm finxing           Contact characteristics         22mm finxing           Rated insulation voltage Ui         IEC/EN         V         690           Quil/CSA         V         600         0           Rated insulation voltage Uimp         KV         6           Conventional free air thermal current th         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           Rated short time current low         1         1         1         1           Conductivity         1s         A         250         1           Conductivity         1s         A         20         1           AC15         110V         A         10         220/230V         30/40/0V           AC15         110V         A         10         220/230V         4         6           680/690V         A         1.5         15         15         10/V         30/44/V         6         30/44/V         5.5         5	N° of elements				
Rated insulation voltage Ui           IEC/EN         V         690           Rated impulse withstand voltage Uimp         kV         6           Conventional free air thermal current lth         IEC/EN         A         20           Rated operational voltage         V         480         Rated operational impulse voltage         KV         4           Rated operational impulse voltage         kV         4         20           Rated operational impulse voltage         kV         4         20           Rated operational impulse voltage         kV         4         20           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           15kA         A         16         250         20           Conductivity         10's mA/V         20         30/40'V         4           AC1/AC21A         A         20         30/40'V         A         8         380/40'V         A         8         380/40'V         A         8         380/40'V         A         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6	Mounting form				fron mounting with black handle for hole diam.
IEC/EN         V         690           Rated impulse withstand voltage Uimp         kV         6           Conventional free air thermal current Ith         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           18kA         A         16         16           Rated short time current Icw         1         18         A         250           Conductivity         105 mA/V         005 mA/V         005 mA/V           Operational current Ic IEC/EN         A         20         AC1/AC21A         A         20           AC15         110V         A         10         220/230V         A         8         380/400V         A         6           Single-phase AC-3         220/230V         kW         3					
UL/CSA         V         600           Rated inpulse withstand voltage Uimp         KV         6           Conventional free air thermal current lth         IEC/EN         A         20           Rated operational voltage         V         480         A         20           Rated operational impulse voltage         kV         4         4           Maximum fuse size for short-circuit protection In (gG)         10kA         A         20           15kA         A         16         25kA         A         16           25kA         A         16         25kA         A         16           Conductivity         1s         A         250         10/5 mA/V           Operational current le         1s         A         20           AC1/AC21A         A         10         220/230V         A         8           AC15         110V         A         10         220/230V         A         8           AC16         20         A         1.5         5         5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         5.5         5           Single-phase AC-3         110V         kW         0.8	Rated insulation voltage	ge Ui			
Rated impulse withstand voltage Uimp         kV         6           Conventional free air thermal current Ith         IEC/EN         A         20           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         16         15kA         A         16           Rated short time current Icw         1s         A         250         20           Conductivity         1s         A         250         20         20/200V           Operational current Ic IEC/EN         AC15         10/5 mA/V         0         20           AC15         110V         A         10         20/2020V         A         8           Rated operational power in AC         Three-phase AC-3         220/230V         KW         3           Single-phase AC-3         110V         KW         0.8         220/230V         KW         3           Single-phase AC-3         110V         KW         0.8         220/230V         KW         3           Single-phase AC23A         220/230V         KW         5         380/440V				-	
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         16         25kA         A         16           Rated short time current lcw         1s         A         250         20           Conductivity         10/5 mA/V         00/5 mA/V         00/5 mA/V           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         380/440V         kW         3           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           220/230V         kW         3         380/440V         kW         3         380/440V         kW         3           Single-phase AC-3         110V         kW <td< td=""><td>Datad impulse withota</td><td>nd voltage Llimp</td><td>UL/CSA</td><td></td><td></td></td<>	Datad impulse withota	nd voltage Llimp	UL/CSA		
IEC/EN         A         20           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         16         25kA         A         16           Rated short time current lcw         1s         A         250         20           Conductivity         1s         A         250         20           Conductivity         1s         A         250         20           Conductivity         1s         A         20         AC1/AC21A         AC1/AC21A         AC15         10/V         A         10         220/230V         A         8         380/400V         A         6         660/690V         A         1.5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         5.5         5         5           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           200/230V         kW         5.5         5         5         5         5         5           Single-phase AC-3	· · · · · · · · · · · · · · · · · · ·			κv	U
UL/CSA         A         20           Rated operational impulse voltage         V         480           Maximum fuse size for short-circuit protection ln (gG)         10kA         A         20           15kA         A         16         25kA         A         16           Rated short time current low         1s         A         250         250           Conductivity         10/5 mA/V         00/5 mA/V         00/5 mA/V           Operational current le IEC/EN         A         10         220/230V         A         8           AC1/5         110V         A         10         220/230V         A         8           AC15         110V         A         10.5         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         0.8         220/230V         kW         3           Actional power in AC         100         220/230V         kW         3.5         380/440V         kW         2.2           Action power in AC         100V         KW         2.2         380/440V         KW			IEC/EN	А	20
Rated operational impulse voltage         kV         4           Maximum fuse size for short-circuit protection ln (gG)         10kA         A         20           15kA         A         16           Rated short time current lcw         1s         A         250           Conductivity         1s         A         250           Operational current le IEC/EN         10/5 mA/V           AC1/AC21A         A         10           AC15         110V         A         10           220/230V         A         8         380/400V         A           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3           Single-phase AC-3         110V         KW         0.8         220/230V         kW         3           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           Single-phase AC23A         10V         kW         5         380/440V         kW         3           Three-phase AC23A         220/230V         kW         5         380/440V         kW         5 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Maximum fuse size for short-circuit protection ln (gG)         10kA         A         20           15kA         A         16           25kA         A         16           Rated short time current lcw         1s         A         250           Conductivity         10/5 mA/V         10/5 mA/V           Operational current le IEC/EN         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           660/690V         A         1.5         1.5         1.5         1.5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3         380/440V         kW         5.5         500/690V         kW         2.2         380/440V         kW         2.2         380/440V         kW         3 <td< td=""><td>Rated operational volt</td><td>age</td><td></td><td>V</td><td>480</td></td<>	Rated operational volt	age		V	480
10kA         A         20           15kA         A         16           25kA         A         16           Rated short time current lcw         1s         A         250           Conductivity         10/5 mA/V         0/5 mA/V           Operational current le IEC/EN         AC1/AC21A         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           660/690V         A         1.5         1.5         1.5         1.5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3         380/440V         kW         5.5         500/690V         kW         3.5         380/440V         kW         2.2         380/440V         kW         2.2         380/440V         kW         3.5         380/440V </td <td>Rated operational imp</td> <td>ulse voltage</td> <td></td> <td>kV</td> <td>4</td>	Rated operational imp	ulse voltage		kV	4
15kA         A         16           Rated short time current low         1s         A         250           Conductivity         10/5 mA/V         10/5 mA/V           Operational current le IEC/EN         A         20           AC1/AC21A         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           660/690V         A         1.5         1.5         1.5         1.5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3         380/440V         kW         3           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           Three-phase AC-3         110V         kW         0.8         380/440V         kW         3           Single-phase AC23A         220/230V         kW         5         380/440V         kW         5           Single-phase AC23A         220/230V         kW         5         380/440V         kW         7.5           Single-phase AC23A         110V         kW         5         380/440V         kW         7.5  <	Maximum fuse size fo	r short-circuit protection In (gG)			
25kA         A         16           Rated short time current lcw         1s         A         250           Conductivity         10/5 mA/V         0           Operational current le IEC/EN         AC1/AC21A         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           660/690V         A         1.5         15         15         15           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3         380/440V         kW         5.5           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           Three-phase AC-3         110V         kW         2.2         380/440V         kW         3           Single-phase AC-3         110V         kW         3         3         3         3           Three-phase AC-3         110V         kW         3         3         3         3           Single-phase AC23A         100V         kW         5         3         3         3         3           Single-phase AC23A         100V         KW					
Rated short time current lcw         1s         A         250           Conductivity         10/5 mA/V         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           660/690V         A         1.5         380/440V         KW         5.5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         5.5           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           Three-phase AC-3         110V         kW         0.8         220/230V         kW         3           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           Three-phase AC23A         220/230V         kW         3         3         3         3           Three-phase AC23A         220/230V         kW         5         3         3         3           Single-phase AC23A         220/230V         kW         5         5         5         5           Single-phase AC23A <td></td> <td></td> <td></td> <td></td> <td></td>					
1s         A         250           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           660/690V         A         1.5         1.5         1.5         1.5           Rated operational power in AC           Three-phase AC-3         220/230V         kW         3           380/40V         kW         5.5         500/690V         kW         5.5           Single-phase AC-3         110V         kW         0.8         220/230V         kW         3           Three-phase AC-3           Single-phase AC-3           Single-phase AC-3           220/230V         kW         5.5           Single-phase AC23A           220/230V         kW         5           Single-phase AC23A           20/230V         kW         5           Single-phase AC23A           110V         kW         5	Pated short time surre	not low	25KA	A	16
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           660/690V         A         1.5         1.5         1.5         1.5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         3         380/440V         kW         5.5           Single-phase AC-3         110V         KW         0.8         220/230V         kW         2.2           380/440V         kW         3         110V         kW         0.8         220/230V         kW         3           Three-phase AC-3         110V         kW         0.8         220/230V         kW         3           Three-phase AC23A         110V         kW         0.8         220/230V         kW         5           Single-phase AC23A         220/230V         kW         5         380/440V         kW         7.5           Single-phase AC23A         110V         kW         0.8         20/690V         kW         7.5	Rated Short time cure		19	Δ	250
Operational current le IEC/EN         A         20           AC1/AC21A         A         20           AC15         110V         A         10           220/230V         A         8         380/400V         A         6           660/690V         A         1.5         110V         KW         3           Rated operational power in AC           Three-phase AC-3         220/230V         kW         3           380/440V         kW         5.5         500/690V         kW         2.2           380/440V         kW         0.8         220/230V         kW         2.2           380/440V         kW         0.8         220/230V         kW         3           Three-phase AC-3           110V         kW         0.8           220/230V         kW         2.2         380/440V         kW         3           Three-phase AC23A         220/230V         kW         5         380/440V         kW         7.5           Single-phase AC23A         110V         kW         0.8         110V         kW         0.8	Conductivity		15		
AC1/AC21A AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 110V kW 5 380/440V kW 5 380/440V kW 5 380/440V kW 5 380/440V kW 7.5 500/690V kW 5.5 500/690V kW 5.5 500		IEC/EN			
AC15         110V         A         10           220/230V         A         8         380/400V         A         6           660/690V         A         1.5         1.5         1.5         1.5           Rated operational power in AC           Three-phase AC-3         220/230V         kW         3           220/230V         kW         3           Single-phase AC-3           110V         kW         0.8           220/230V         kW         2.2           Single-phase AC-3           Three-phase AC-3           110V         kW         0.8           220/230V         kW         2.2           380/440V         kW         3           Three-phase AC23A           220/230V         kW         5           380/440V         kW         5           380/440V         kW         7.5           Single-phase AC23A           110V         kW         0.8	•				
110V         A         10           220/230V         A         8           380/400V         A         6           660/690V         A         1.5           Rated operational power in AC           Three-phase AC-3           220/230V         kW         3           380/440V         kW         5.5           Single-phase AC-3         110V         kW         0.8           220/230V         kW         2.2         380/440V         kW         3           Three-phase AC-3           110V         kW         0.8           220/230V         kW         2.2         380/440V         kW         3           Three-phase AC23A           220/230V         kW         5           380/440V         kW         7.5         500/690V         kW         7.5           Single-phase AC23A           110V         kW         5           Single-phase AC23A           110V         kW         0.8				А	20
220/230V         A         8           380/400V         A         6           660/690V         A         1.5           Rated operational power in AC           Three-phase AC-3           220/230V         kW         3           380/440V         kW         5.5           500/690V         kW         5.5           Single-phase AC-3           110V         kW         0.8           220/230V         kW         3           Three-phase AC23A         110V         kW         5           380/440V         kW         5         380/440V         kW         5           Single-phase AC23A         220/230V         kW         5         380/440V         kW         7.5           Single-phase AC23A         110V         kW         7.5         500/690V         kW         7.5		AC15			
380/400V         A         6           660/690V         A         1.5           Rated operational power in AC Three-phase AC-3           220/230V         kW         3           380/440V         kW         5.5           500/690V         kW         5.5           Single-phase AC-3         110V         kW         0.8           220/230V         kW         2.2         380/440V         kW         3           Three-phase AC-3           110V         kW         0.8         220/230V         kW         3           Three-phase AC23A           220/230V         kW         5         380/440V         kW         5           380/440V         kW         7.5         500/690V         kW         7.5           Single-phase AC23A           110V         kW         0.8					
660/690V         A         1.5           Rated operational power in AC           Three-phase AC-3         220/230V         kW         3           380/440V         kW         5.5         500/690V         kW         5.5           Single-phase AC-3         110V         kW         0.8         220/230V         kW         2.2           380/440V         kW         2.2         380/440V         kW         3           Three-phase AC-33           Three-phase AC23A           Z20/230V         kW         5.3           Single-phase AC23A           Z20/230V         kW         5           380/440V         kW         7.5         500/690V         kW         7.5           Single-phase AC23A					
Rated operational power in AC Three-phase AC-3           220/230V         kW         3           380/440V         kW         5.5           500/690V         kW         5.5           Single-phase AC-3         110V         kW         0.8           220/230V         kW         2.2         380/440V         kW         3           Three-phase AC-3           Three-phase AC23A           Z20/230V         kW         5           Three-phase AC23A           Z20/230V         kW         5           Single-phase AC23A           Single-phase AC23A           Three AC23A					
Three-phase AC-3       220/230V       kW       3         380/440V       kW       5.5         Single-phase AC-3       110V       kW       0.8         220/230V       kW       2.2         380/440V       kW       3         Three-phase AC-3         Three-phase AC23A         220/230V       kW       5         380/440V       kW       5         380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.8	Rated operational pov	ver in AC	000/030 V	~	1.0
220/230V       kW       3         380/440V       kW       5.5         500/690V       kW       5.5         Single-phase AC-3       110V       kW       0.8         220/230V       kW       2.2         380/440V       kW       3         Three-phase AC23A       220/230V       kW       5         380/440V       kW       5         380/440V       kW       7.5         Single-phase AC23A       7.5         Single-phase AC23A       110V       kW       0.8	rated operational per				
500/690V       kW       5.5         Single-phase AC-3       110V       kW       0.8         220/230V       kW       2.2         380/440V       kW       3         Three-phase AC23A       220/230V       kW       5         380/440V       kW       7.5         Single-phase AC23A       7.5         Single-phase AC23A       110V       kW       0.8		·	220/230V	kW	3
Single-phase AC-3       110V       kW       0.8         220/230V       kW       2.2         380/440V       kW       3         Three-phase AC23A       220/230V       kW       5         380/440V       kW       7.5         500/690V       kW       7.5         Single-phase AC23A       110V       kW       0.8			380/440V	kW	5.5
110V       kW       0.8         220/230V       kW       2.2         380/440V       kW       3         Three-phase AC23A         220/230V       kW       5         380/440V       kW       7.5         Single-phase AC23A       500/690V       kW       7.5         Single-phase AC23A			500/690V	kW	5.5
220/230V       kW       2.2         380/440V       kW       3         Three-phase AC23A       220/230V       kW       5         380/440V       kW       7.5         380/440V       kW       7.5         Single-phase AC23A       110V       kW       0.8		Single-phase AC-3			
380/440V       kW       3         Three-phase AC23A       220/230V       kW       5         380/440V       kW       7.5         500/690V       kW       7.5         Single-phase AC23A       110V       kW       0.8					
Three-phase AC23A       220/230V       kW       5         380/440V       kW       7.5         500/690V       kW       7.5         Single-phase AC23A       110V       kW       0.8					
220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8		Three-phase AC23A	500/440V	A V V	5
380/440V       kW       7.5         500/690V       kW       7.5         Single-phase AC23A       110V       kW       0.8			220/230V	kW	5
500/690V kW 7.5 Single-phase AC23A 110V kW 0.8					
110V kW 0.8					
		Single-phase AC23A			
220/230V kW 2.5					
			220/230V	kW	2.5

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ENERGY AND AUTOMATION

**7GN2005U47** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

		380/440V	kW	3.7
Rated operational curr	ent in DC			
	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		440 V		0.8
Mechanical features			vv	0.0
Terminals screw				M3
	orminale may		Nm	0.5
Tightening torque for to			INITI	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
	AWG - Flexible cable	min	AWG	20
		min Max	AWG AWG	20 14
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max	AWG	14
		Max		
	Conductor size (IEC) - Flexible cable	Max	AWG	14
		Max min	AWG mm² mm²	14 0.5 2.5
	Conductor size (IEC) - Flexible cable	Max min	AWG	14 0.5 2.5 0.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG mm² mm²	14 0.5 2.5
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	14 0.5 2.5 0.5
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	14 0.5 2.5 0.5 2.5
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	14 0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	14 0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	14 0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG mm² mm² mm² cycles	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V	AWG mm² mm² cycles HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max           min           Max           min           Max           120V           240V           480V           600V	AWG mm² mm² cycles HP HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max           min           Max           min           Max           120V           240V           480V           600V	AWG mm² mm² cycles HP HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable         Conductor size (IEC) - Rigid cable         -on-line control for three-phase motor         for single-phase motor	Max min Max min Max 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max           min           Max           min           Max           120V           240V           480V           600V           120V           240V           480V           600V	AWG mm² mm² cycles HP HP HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable         Conductor size (IEC) - Rigid cable         -on-line control for three-phase motor         for single-phase motor	Max min Max min Max 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75

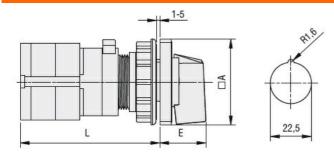
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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



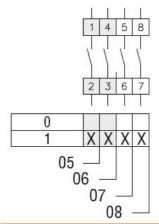
## **7GN2005U47** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Cariaa	Dimensions		L			
Series	□A	E	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

### 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		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001105 - Off-

load switch

### ETIM 8.0

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