

Product type designation 70125 <u>General characteristics</u> <u>86 - Multi-step</u> : <u>2-32 poles</u> <u>3 - Plastic</u> <u>86 - Multi-step</u> : <u>2-32 poles</u> <u>3 - Plastic</u> <u>enclosure with</u> <u>black handle</u> <u>contact characteristics</u> <u>87 - Plastic</u> <u>enclosure with</u> <u>black handle</u> <u>Contact characteristics</u> <u>87 - Plastic</u> <u>100 - KV 600 Rated inpulse withstand voltage Uimp <u>KV 6</u> <u>Conventional ree air thermal current lth</u> <u>IEC/EN A 125</u> <u>UL/CSA A 130 Rated operational voltage <u>V 6600 Rated operational voltage</u> <u>KV 6</u> Maximum fuse size for short-circuit protection In (gG) <u>10kA A 125</u> <u>13kA A 100 S0kA A 100 S0k</u></u></u>	Product designation				Enclosed rotary cam switch
Switching diagram         86 - Multi-step: 2-3 2 poles           N° of elements         3           Mounting form         enclosure with black handle           Contact characteristics         enclosure with black handle           Rated insulation voltage Ui         IEC/EN         V           Gontant characteristics         enclosure with black handle           Rated insulation voltage Uimp         kV         6           Conventional free air thermal current Ith         IEC/EN         A         125           UL/CSA         A         130         EC/EN         A         125           Rated operational voltage         V         6         600         EC/EN         A         100           Rated operational impulse voltage         KV         6         EC/EN         A         100           StickA         A         100         50KA         A         100         50KA         A         100           Rated short time current low         1s         kA         2100         220/230V         A         28         380/400V         A         5           Conductivity         10/5 mA/V         220/230V         A         28         380/40V         A         5           Rated operational current					7GN125
Mounting form         P - Plastic enclosure with black handle           Rated insulation voltage Ui         IEC/EN         V         690           Rated insulation voltage Uimp         KV         6           Conventional free air thermal current lth         IEC/EN         A         125           Rated operational voltage         KV         6         6           Rated operational impulse voltage         KV         6         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         25kA         A         100           Rated short time current lcw         1s         kA         2100         20/5 mA/V           Operational current le IEC/EN         A         125         360/400V         A         15           660/690V         A         125         360/400V         A         15           Rated operational power in AC         Three-phase AC-3         220/230V         KW         18           220/230V         KW         33         360/440V         KW         5           Rated operational power in AC         Three-phase AC-3					86 - Multi-step 1- 2-3 2 poles
Mounting form         enclosure with black handle           Contact characteristics         EC/EN         V         690           Rated insulation voltage Ui         IEC/EN         V         690           Rated insulation voltage Uimp         KV         6           Conventional free air thermal current Ith         IEC/EN         A         125           Rated operational voltage         V         690         800           Rated operational impulse voltage         kV         6         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         50kA         A         100           Conductivity         10/5 mA/V         00         63kA         A         100           Conductivity         10/5 mA/V         00         63kA         A         100           Conductivity         10/5 mA/V         00         220/230V         A         28           380/400V         A         15         660/680V         A         5           Rated operational power in AC         110V         KW         5         220/230	N° of elements				
Contact characteristics           Rated insulation voltage Ui         IEC/EN         V         690           Rated insulation voltage Uimp         kV         6           Conventional free air thermal current Ith         IEC/EN         A         125           Qui/CSA         A         130         Rated operational voltage         V         690           Rated operational voltage         V         690         Rated operational impulse voltage         KV         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           Rated short time current low         1s         kA         2100         00           Conductivity         1s         kA         210         20           Querational current low         1s         kA         210         20           AC15         110V         A         40         220/230V         XW	Mounting form				enclosure with
IEC/EN         V         690 UL/CSA           Rated impulse withstand voltage Uimp         KV         6           Conventional free air thermal current Ith         IEC/EN         A         125           UL/CSA         A         130         Rated operational voltage         V         690           Rated operational voltage         V         690         690         Rated operational impulse voltage         V         690           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125         15kA         A         100           Staka         A         100         50kA         A         100         63kA         A         100           Rated short time current Icw         1s         kA         2100         0/5 mA/V         Operational current let IEC/EN         10/5 mA/V         Operational current let IEC/EN         10/5 mA/V         Operational current let IEC/EN         220/230V         A         28         380/400V         A         15         660/690V         A         5           Rated operational power in AC         Three-phase AC-3         110V         KW         18.5         380/40V         XW         18.5           Single-phase AC-3         110V         KW         1         1	Contact characteristics				black handle
UL/CSA         V         600           Rated impulse withstand voltage Urinp         kV         6           Conventional free air thermal current Ith         IEC/EN         A         125           Rated operational voltage         V         690         600           Rated operational impulse voltage         kV         6         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         63kA         A         100           25kA         A         100         63kA         A         100           Conductivity         1s         kA         2100         0/5 mA/V           Operational current lcw         1s         kA         2100           AC1/AC21A         4         125         10/V         A         40         220/230V         A         28         380/400V         A         15         660/680V         A         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5 <td>Rated insulation voltage Ui</td> <td></td> <td></td> <td></td> <td></td>	Rated insulation voltage Ui				
Rated impulse withstand voltage Uimp         kV         6           Conventional free air thermal current Ith         IEC/EN         A         125           Rated operational voltage         V         690         6           Rated operational voltage         V         6         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         50kA         A         100           63kA         A         100         50kA         A         100           Fated short time current Icw         1s         kA         2100         10/5 mA/V           Operational current Ie IEC/EN         A         125         AC15         100/5 mA/V           AC15         110V         A         40         220/230V         A         28           380/400V         A         15         5         5         5           Rated operational power in AC         Three-phase AC-3         220/230V         KW         18.5           380/440V         kW         15         380/440V         5         5           Single-phase					
Conventional free air thermal ourrent Ith         IEC/EN         A         125           Rated operational voltage         V         690           Rated operational impulse voltage         kV         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           50kA         A         100         50kA         A         100           63kA         A         100         50kA         A         100           Conductivity         1s         kA         2100         Conductivity         00/5 mA/V           Operational current lew         1s         kA         125         10/5 mA/V         Conductivity         10/5 mA/V           Operational current le IEC/EN         AC1/AC21A         A         125         10/7 mA/V         Conductivity         A         15           Rated operational power in AC         110V         A         40         220/230V         A         28         380/400V         A         15           Rated operational power in AC         110V         KW         18.5         380/440V         KW         18.5         380/440V         KW         15 </td <td></td> <td></td> <td>UL/CSA</td> <td></td> <td></td>			UL/CSA		
IEC/EN         A         125           Rated operational impulse voltage         V         690           Rated operational impulse voltage         KV         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         63kA         A         100           63kA         A         100         50kA         A         100           63kA         A         100         63kA         A         100           Conductivity         10's mA/V         00         maximum         10's mA/V           Operational current le IEC/EN         A         125         10'v         Maximum           AC1/AC21A         A         125         10'v         A         40           220/230V         A         28         380/40'v         A         15           680/690V         A         5         380/440'v         KW         37           Single-phase AC-3         10'v         KW         5         220/230'v         KW         11           380/440V         kW         15         1				kV	6
UL/CSA         A         130           Rated operational impulse voltage         V         690           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         63kA         A         100           63kA         A         100         63kA         A         100           Rated short time current lcw         1s         kA         2100         Conductivity         10/5 mA/V           Operational current le IEC/EN         10/5 mA/V         10/5 mA/V         Operational current le IEC/EN         4         125           AC1/AC21A         4         125         10/5 mA/V         220/230V         A         28         380/400V         A         15           660/690V         A         5         380/400V         A         15         500/690V         KW         33           Rated operational power in AC         110V         KW         33         500/690V         KW         33           Single-phase AC-3         110V         KW         5         220/230V         KW         15           500/690V <td< td=""><td>Conventional free air therma</td><td>al current Ith</td><td></td><td>۸</td><td>405</td></td<>	Conventional free air therma	al current Ith		۸	405
Rated operational voltage         V         690           Rated operational impulse voltage         kV         6           Maximum fuse size for short-circuit protection ln (gG)         10kA         A         125           15kA         A         100         25kA         A         100           050kA         A         100         63kA         A         100           63kA         A         100         50kA         A         100           Rated short time current lcw         1s         kA         2100         10/5 mA/V           Operational current le IEC/EN         A         125         10/7 mA/V         220/230V         A         125           AC15         110V         A         40         220/230V         A         15           660/690V         A         5         5         380/40V         kW         33           Rated operational power in AC         Three-phase AC-3         110V         kW					
Rated operational impulse voltage         kV         6           Maximum fuse size for short-circuit protection In (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         63kA         A         100           63kA         A         100         63kA         A         100           63kA         A         100         63kA         A         100           Conductivity         1s         kA         2100         20/20         10/5 mA/V           Operational current le IEC/EN         AC1/AC21A         A         125         AC15         110V         A         40         220/230V         A         28         380/400V         A         15         660/690V         A         5           Rated operational power in AC         Three-phase AC-3         220/230V         KW         18.5         380/440V         KW         33           Single-phase AC-3         110V         KW         5         220/230V         KW         11         380/440V         KW         15           Three-phase AC23A         220/230V         KW         11         380/440V         KW	Rated operational voltage		01/00/		
Maximum fuse size for short-circuit protection ln (gG)         10kA         A         125           15kA         A         100         25kA         A         100           25kA         A         100         63kA         A         100           Rated short time current lcw         1s         kA         2100         63kA         A         100           Conductivity         1s         kA         2100         10/5 mA/V         00         63kA         A         100           Operational current le IEC/EN         10/5 mA/V         10/5 mA/V         10/5 mA/V         0         220/230V         A         28         380/40V         A         15         660/690V         A         5           Rated operational power in AC         110V         A         40         220/230V         A         28         380/40V         XW         33           Rated operational power in AC         15         660/690V         A         5         15           Rated operational power in AC         110V         KW         18.5         380/440V         KW         13           Single-phase AC-3         110V         KW         13         30         30         30         30         30		voltage			
15kA         A         100           25kA         A         100           63kA         A         100           63kA         A         100           63kA         A         100           Rated short time current low         1s         kA         2100           Conductivity         10/5 mA/V         10/5 mA/V           Operational current le IEC/EN         A         125           AC1/AC21A         A         40           220/230V         A         28           380/400V         A         15           Rated operational power in AC         Three-phase AC-3         220/230V         kW         18.5           380/440V         kW         33         30         33           Single-phase AC-3         110V         kW         5           220/230V         kW         11         380/440V         8W           380/440V         kW         15         110V         8W           Three-phase AC23A         220/230V         kW         15           Three-phase AC23A         220/230V         kW         30           380/440V         kW         45         500/690V         8W		-			
25kA         A         100           50kA         A         100           63kA         A         100           Rated short time current lcw           Is         kA         2100           Conductivity         10/5 mA/V           Operational current le IEC/EN           AC1/AC21A         A         125           AC15         110V         A         40           220/230V         A         28         380/400V         A         15           660/600V         A         5         5         15         15           Rated operational power in AC           Three-phase AC-3         220/230V         kW         33           Single-phase AC-3         110V         kW         5           220/230V         kW         11           380/440V         kW         15         380/440V         kW         15           Three-phase AC23A         220/230V         kW         11           380/440V         kW         15         380/440V         kW         15           Three-phase AC23A         220/230V         kW         30 <td></td> <td></td> <td>10kA</td> <td>А</td> <td>125</td>			10kA	А	125
50kA         A         100           Rated short time current lcw         1s         kA         2100           Conductivity         1s         kA         2100           Operational current le IEC/EN         AC1/AC21A         A         125           AC15         110V         A         40           220/230V         A         28         380/400V         A         15           Rated operational power in AC         Three-phase AC-3         220/230V         kW         18.5           Single-phase AC-3         220/230V         kW         18.5         380/440V         kW         5           Single-phase AC-3         220/230V         kW         18.5         380/440V         kW         5           Single-phase AC-3         220/230V         kW         11         380/440V         kW         15           Three-phase AC23A         220/230V         kW         15         15           Three-phase AC23A         220/230V         kW         30         380/440V         kW         30           Single-phase AC23A         380/440V         kW         30         380/440V         kW         37           Single-phase AC23A         380/440V         KW         <				А	
63kA         A         100           Rated short time current lcw         1s         kA         2100           Conductivity         10/5 mA/V         10/5 mA/V           Operational current le IEC/EN         A         125           AC1/AC21A         A         125           AC15         110V         A         40           220/230V         A         28         380/400V         A         15           660/690V         A         5         5         5         5           Rated operational power in AC         220/230V         kW         18.5         380/440V         kW         33           Single-phase AC-3         110V         KW         33         5         5           Single-phase AC-3         110V         KW         5         220/230V         kW         11           380/440V         kW         15         5         5         5         5           Three-phase AC23A         220/230V         kW         11         380/440V         15         5           Three-phase AC23A         220/230V         kW         30         380/440V         8         5           Single-phase AC23A         220/230V         kW					
Rated short time current low         1s         kA         2100           Conductivity         10/5 mA/V           Operational current le IEC/EN         A         125           AC1/AC21A         A         125           AC15         110V         A         40           220/230V         A         28         380/400V         A         15           660/690V         A         5         5         5         5           Rated operational power in AC           Three-phase AC-3         220/230V         kW         18.5           380/440V         kW         37         500/690V         kW         33           Single-phase AC-3         110V         kW         5         220/230V         kW         11           380/440V         kW         15         5         5         5         5           Three-phase AC23A         220/230V         kW         11         3         3         5           Z20/230V         kW         15         5         5         5         5           Three-phase AC23A         220/230V         kW         30         3         3         3           Single					
1s         kA         2100           Conductivity         10/5 mA/V           Operational current le IEC/EN           AC1/AC21A         A         125           AC15         110V         A         40           220/230V         A         28         380/400V         A         15           660/690V         A         5         5         5         5           Rated operational power in AC           Three-phase AC-3         220/230V         kW         18.5           Single-phase AC-3           110V         kW         33           Single-phase AC-3           110V         kW         5           220/230V         kW         18.5           380/440V         kW         33           Single-phase AC-3           110V         kW         5           220/230V         kW         11           380/440V         kW         15           Three-phase AC23A         220/230V         kW         15           Three-phase AC23A         220/230V         kW <td></td> <td></td> <td>63kA</td> <td>A</td> <td>100</td>			63kA	A	100
Conductivity         10/5 mA/V           Operational current le IEC/EN         A 125           AC1/AC21A         A 125           AC15         110V         A 40           220/230V         A 28           380/400V         A 15           660/690V         A 5           Rated operational power in AC         220/230V         kW 18.5           380/400V         kW 18.5         380/40V         kW 37           Single-phase AC-3         110V         kW 5         220/230V         kW 11           380/440V         kW 15         11         380/440V         kW 45           220/230V         kW 30         380/440V         kW 37           Single-phase AC-3         110V         kW 5         220/230V           220/230V         kW 30         380/440V         kW 30         380/440V           380/440V         kW 30         380/440V         kW 37           Three-phase AC23A         220/230V         kW 30         380/440V           220/230V         kW 30         380/440V         kW 37           Single-phase AC23A         220/230V         kW 37           Single-phase AC23A         380/640V         kW 37	Rated short time current Icv	V	1.	1. 4	0100
Operational current le IEC/EN         AC1/AC21A         A         125           AC15         110V         A         40           220/230V         A         28           380/400V         A         15           660/690V         A         5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         18.5           380/440V         kW         37         500/690V         kW         33           Single-phase AC-3         110V         kW         5         220/230V         kW         18.5           380/440V         kW         37         500/690V         kW         33           Single-phase AC-3         110V         kW         5         220/230V         kW         15           Three-phase AC23A         220/230V         kW         15         380/440V         kW         15           Three-phase AC23A         220/230V         kW         30         380/440V         kW         45           500/690V         kW         37         500/690V         kW         37	Conductivity		15	KA	
AC1/AC21A AC15 AC15 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A		=N			10/3 IIIA/ V
A         125           AC15         110V         A         40           220/230V         A         28         380/400V         A         15           660/690V         A         5         5         5         5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         18.5         380/440V         kW         37           Single-phase AC-3         110V         kW         5         220/230V         kW         11           Single-phase AC-3         110V         kW         5         220/230V         kW         11           380/440V         kW         15         11         380/440V         15           Three-phase AC23A         220/230V         kW         30         380/440V         15           Three-phase AC23A         220/230V         kW         30         380/440V         15           Three-phase AC23A         220/230V         kW         30         380/440V         145           500/690V         kW         37         35         36         36	-				
AC15         110V         A         40           220/230V         A         28         380/400V         A         15           660/690V         A         5         4         4         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5 <t< td=""><td>10</td><td></td><td></td><td>А</td><td>125</td></t<>	10			А	125
220/230V         A         28           380/400V         A         15           660/690V         A         5           Rated operational power in AC Three-phase AC-3           220/230V         kW         18.5           380/440V         kW         37           500/690V         kW         33           Single-phase AC-3         110V         kW         5           220/230V         kW         11         380/440V         kW         15           Three-phase AC23A           220/230V         kW         45           500/690V         kW         37         30         380/440V         8W         36           Single-phase AC23A         220/230V         kW         30         380/440V         8W         37           Single-phase AC23A	AC	15			
220/230V         A         28           380/400V         A         15           660/690V         A         5           Rated operational power in AC Three-phase AC-3           220/230V         kW         18.5           380/440V         kW         37           500/690V         kW         33           Single-phase AC-3         110V         kW         5           220/230V         kW         11         380/440V         kW         15           Three-phase AC23A           220/230V         kW         45           500/690V         kW         37         30         380/440V         8W         36           Single-phase AC23A         220/230V         kW         30         380/440V         8W         37           Single-phase AC23A			110V	А	40
660/690V         A         5           Rated operational power in AC         Three-phase AC-3         220/230V         kW         18.5           380/440V         kW         37         500/690V         kW         33           Single-phase AC-3         110V         kW         5           220/230V         kW         11         380/440V         kW         15           Three-phase AC23A         220/230V         kW         15         380/440V         kW         30           380/440V         kW         45         500/690V         kW         37           Single-phase AC23A         Single-phase AC23A         37         30			220/230V		
Rated operational power in AC Three-phase AC-3           220/230V         kW         18.5           380/440V         kW         37           500/690V         kW         33           Single-phase AC-3         110V         kW         5           220/230V         kW         11         380/440V         kW         15           Three-phase AC23A         220/230V         kW         30         380/440V         kW         45           500/690V         kW         37         500/690V         kW         37			380/400V	А	15
Three-phase AC-3       220/230V       kW       18.5         380/440V       kW       37         500/690V       kW       33         Single-phase AC-3       110V       kW       5         220/230V       kW       11         380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37			660/690V	Α	5
220/230V       kW       18.5         380/440V       kW       37         500/690V       kW       33         Single-phase AC-3       110V       kW       5         220/230V       kW       11         380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37					
380/440V       kW       37         500/690V       kW       33         Single-phase AC-3       110V       kW       5         220/230V       kW       11         380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37         Single-phase AC23A       380/440V       kW       45         500/690V       kW       37         Single-phase AC23A       37	Thi	ee-phase AC-3			
500/690V       kW       33         Single-phase AC-3       110V       kW       5         220/230V       kW       11         380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37         Single-phase AC23A       38       38					
Single-phase AC-3       110V       kW       5         220/230V       kW       11         380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37         Single-phase AC23A       380       380					
110V       kW       5         220/230V       kW       11         380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37         Single-phase AC23A       38       38	Sin	ale-phase AC-3	500/690V	KVV	33
220/230V       kW       11         380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37         Single-phase AC23A       380       380	011	gie-priase AC-5	110\/	k\//	5
380/440V       kW       15         Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37         Single-phase AC23A       Single-phase AC23A       Single-phase AC23A					
Three-phase AC23A       220/230V       kW       30         380/440V       kW       45         500/690V       kW       37					
220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A	Thi	ee-phase AC23A		-	
380/440V kW 45 500/690V kW 37 Single-phase AC23A		-	220/230V	kW	30
Single-phase AC23A			380/440V	kW	
			500/690V	kW	37
110V kW 5	Sin	gle-phase AC23A			
220/230V kW 11			220/230V	kW	11



Rated operational current in DC         DC21A         48V         A         125           60V         A         80         110V         A         10           220V         A         1.2         10V         A         10           DC23A (poles in series)         24V         A         125 (3)         110V         A         50 (3)           0         220V         A         125 (2)         60V         A         125 (2)           60V         A         125 (3)         110V         A         50 (3)           100V         A         20 (4)         A         125 (3)           100V         A         50 (3)         220V         A         125 (3)           100V         A         50 (3)         220V         A         125 (3)           100V         A         50 (3)         220V         A         125 (3)           110V         A         400         A         125 (3)         110V         A         4           Power dissipation         M         40         125 (3)         110V         A         4           Conductor size (We for terminals max         M         100         100         100         10 <th></th> <th></th> <th>380/440V</th> <th>kW</th> <th>15</th>			380/440V	kW	15
48V         A         125           60V         A         10           220V         A         10           220V         A         125 (1)           44V         A         125 (2)           60V         A         125 (3)           110V         A         50 (3)           220V         A         125 (3)           60V         A         125 (3)           110V         A         50 (3)           220V         A         125 (3)           110V         A         50 (3)           220V         A         125 (3)           100V         A         4           DC13         24V         A         125           48V         A         100         60V         A           V         6.3         Mechanical fielditures         W         6.3           Terminals screw         M2X5         M2X5         M2X5           Tightening torque for terminals max         Nm< 2	Rated operational cur				
60V         A         80           110V         A         10           220V         A         1.2           60V         A         125 (1)           48V         A         125 (2)           60V         A         20 (4)           DC13         24V         A         125           20V         A         100         600V         A         50 (3)           210V         A         100         600V         A         50 (3)           220V         A         100         60V         A         50           000         A         50         110V         A         50           110V         A         50         110V         A         50           110V         A         400         A         100         60V         A         50           Conductorsize         MCA         Nm         2         Conductor size         M2X5         Tightening torgraphic terminals max         Nm         2         Conductor size         M2X5         Tightening torgraphic terminals max         Nm         2         Conductor size         10         Conductor size         10         Conductor size         100		DC21A			
110V         A         10           DC23A (poles in series)         24V         A         1.2           60V         A         125 (1)         48V         A         125 (2)           60V         A         125 (3)         110V         A         50 (3)           220V         A         20 (4)         A         100         60V         A         42           DC13         24V         A         100         60V         A         4           Power dissipation         W         6.3         Terminals screw         M2X5         Tightening torgue for terminats max         Nm         2           Conductor size         AWG - Rigid cable         Max         MWG         14         Max           AWG - Flexible cable         min         AWG         100         AWG         100           AWG - Flexible cable         min         Max         MWG         14         Max         Max         100           Conductor size (IEC) - Flexible cable         min         mm <sup>2</sup> 50         50         100         100         100         100         100         100         100         100         100         100         100         100         100         100					
220v         A         1.2           DC23A (poles in series)         24v         A         125 (1)           48v         A         125 (2)         60v         A         125 (3)           110v         A         50 (3)         220v         A         20 (4)           DC13         24v         A         125 (3)         10v         A         50 (3)           220v         A         20 (4)         DC13         24v         A         125 (3)           DC13         24v         A         100         60v         A         50 (3)           Power dissipation         W         A         100         60v         A         50 (3)           Power dissipation         W         A         100         60v         A         50 (1)           Power dissipation         W         A         100         6.3         Mexhanted features         To           Terminals screw         Mw         M         2         Conductor size         MWG         1/0           AWG - Rigid cable         min         AWG         1/0         Max         MWG         1/0           Conductor size (IEC) - Flexible cable         min         mm <sup>2</sup> 50 <td></td> <td></td> <td></td> <td></td> <td></td>					
DC23A (poles in series)         24V         A         125 (1)           48V         A         125 (2)           60V         A         125 (3)           110V         A         50 (3)           220V         A         20 (4)           DC13         24V         A         125           48V         A         100         60V         A           60V         A         50         10V         A           Hower dissipation         W         6.3         Mechanical features           Terminals screw         M2X5         M2X5         M2X5           Tightening torque for terminals max         Nm         2         Conductor size           AWG - Rigid cable         min         AWG         14           Max         AWG         1/0         Max         AWG           Conductor size (IEC) - Flexible cable         min         mm²         2.5           Max         mm²         2.5         Max         mm²         50           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Max         m²         50           Motor power for direct-on-line control         cycles         1X10*         240V					
24V         A         125 (1)           48V         A         125 (2)           60V         A         125 (3)           110V         A         50 (3)           220V         A         20 (4)           DC13         24V         A         125           48V         A         100         60V         A         50           10V         A         4         00         60V         A         50           110V         A         4         00         60V         A         50           110V         A         4         00         60V         A         50           110V         A         4         00         60V         A         50           120V         A         4         00         63         00         14           Mochanical features         Mix         AWG         14         Mix         AWG         14           Max         AWG         10         14         Mix         14         14           Max         AWG         10         14         Mix         14         14         10         14         10         14         10			220V	A	1.2
48V         A         125 (2) 60V         A         125 (3) 110V         A         50 (3) 220V         A         20 (4)           DC13         24V         A         125         48V         A         100         600V         A         50 (3)           Power dissipation         110V         A         4         125         48V         A         100         60V         A         4           Power dissipation         W         6.3         Mechanical features         W         6.3         Mechanical features         W         6.3           Tightening torque for terminals max         Nm         2         Conductor size         M2X5         Max         MVG         14           AWG - Rigid cable         min         AWG         14         Max         AWG         1/0           Conductor size (IEC) - Flexible cable         min         mm <sup>2</sup> 2.5         Max         mm <sup>2</sup> 5.0           Conductor size (IEC) - Rigid cable         min         mm <sup>2</sup> 2.5         Max         mm <sup>2</sup> 2.5           Mechanical life         cycles         1X10 <sup>e</sup> 1/0         1/0         1/0         1/0         1/0         1/0         1/0         1/0         1/0		DC23A (poles in series)			
$\begin{tabular}{ c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $					
$\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 $					
$\begin{tabular}{ c c c c c } \hline DC13 & 24V & A & 125 \\ & 24V & A & 100 \\ & 60V & A & 50 \\ & 110V & A & 4 \\ \hline \hline Rev & A & 50 \\ & 110V & A & 4 \\ \hline \hline Rechanical features & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & & & & \\ \hline \hline Terminals screw & & & & & & & & & & & & & & & & \\ \hline \hline Terminals core & & & & & & & & & & & & & & & & & & \\ \hline \hline Terminals core & & & & & & & & & & & & & & & & & & \\ \hline \hline Conductor size & (IEC) - Flexible cable & & & & & & & & & & & & & & & & & & &$					
$\begin{tabular}{ c c c c c c c } & 24V & A & 125 \\ & 48V & A & 100 \\ & 60V & A & 50 \\ & 110V & A & 4 \end{tabular} tabula$			220V	A	20 (4)
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		DC13			
$\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $					
110V         A         4           Power dissipation         W         6.3           Mechanical features         Terminals screw         M2X5           Tightening torque for terminals max         Nm         2           Conductor size         AWG - Rigid cable         min         AWG         14           Max         AWG         1/0         AWG - Flexible cable         min         AWG         1/0           AWG - Flexible cable         min         AWG         1/0         AWG - Flexible cable         min         mm²         2.5           Max         AWG         1/0         Conductor size (IEC) - Flexible cable         min         mm²         2.5           Max         mm²         5.0         Max         mm²         5.0           Mechanical life         cycles         1X10*         U         U           Ut echnical data         cycles         1X10*           Ut echnical data         cycles         1X10*           Motor power for direct-on-line control         for three-phase motor           120V         HP         15         480V         HP         25           4800V         HP         50         600V         HP					
Power dissipation         W         6.3           Mechanical features         M2X5           Terminals screw         M2X5           Tightening torque for terminals max         Nm         2           Conductor size         AWG - Rigid cable         min         AWG         14           Max         AWG         1/0         AWG         14           AWG - Flexible cable         min         AWG         1/0           Conductor size (IEC) - Flexible cable         min         mm²         2.5           Max         mm²         2.5         Max         mm²         5.0           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Max         mm²         5.0           Mechanical life         cycles         1X10°         UL technical data         1X10°         UL technical data         120V         HP         15         240V         HP         25         480V         HP         25         480V         HP         25         480V         HP         50         600V         HP         40         600V         HP         40         15         240V         HP         5         240V         HP         5         240V         HP         5 <td></td> <td></td> <td></td> <td></td> <td></td>					
Mechanical features         M2X5         Tightening torque for terminals max       Nm       2         Conductor size       AWG - Rigid cable       min       AWG       14         Max       AWG       14       Max       AWG       10         AWG - Flexible cable       min       AWG       14       Max       AWG       1/0         Conductor size (IEC) - Flexible cable       min       mm²       2.5       Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       2.5       Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       2.5       Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       2.5       Max       mm²       50         Mechanical life       cycles       1X10°       UL technical data			110V		
Terminals screw         M2X5           Tightening torque for terminals max         Nm         2           Conductor size         AWG - Rigid cable         min         AWG         1/0           AWG - Flexible cable         min         AWG         1/0           AWG - Flexible cable         min         AWG         1/0           Conductor size (IEC) - Flexible cable         min         mm²         2.5           Max         mm²         2.5         Max         mm²         50           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Max         mm²         50           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Max         mm²         50           Ut technical life         cycles         1X10*         U         U         10*         U         10*         U         10*         U         10*				W	6.3
Tightening torque for terminals max       Nm       2         Conductor size       AWG - Rigid cable       min       AWG       14         Max       AWG       1/0       AWG       1/0         Conductor size (IEC) - Flexible cable       min       mm²       2.5         Max       mm²       2.5       Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       2.5       Max       mm²       50         Mechanical life       cycles       1X10°       UL       UL       technical data       train					
Conductor size       AWG - Rigid cable       min       AWG       14         Max       AWG       1/0         AWG - Flexible cable       min       AWG       14         Max       AWG       1/0         Conductor size (IEC) - Flexible cable       min       mm²       2.5         Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       5.0         Mechanical life       cycles       1X10°         UL technical data       min       mm²       5.0         Motor power for direct-on-line control for three-phase motor       120V       HP       15         240V       HP       25       480V       HP       50         Goov       HP       40       for single-phase motor       120V       HP       5         Ambient conditions       120V       HP       5       240V       HP       5         Z40V       HP       15       240V       HP       15         Ambient conditions       120V       HP       5       240V       HP       15         Ambient conditions       min       °C       -25       -25       -25					
AWG - Rigid cablemin MaxAWG AWG AWG 1/0AWG - Flexible cablemin MaxAWG AWG 1/0AWG - Flexible cablemin MaxAWG AWG 		terminals max		Nm	2
$\begin{tabular}{ c c c c } \hline min & AWG & 14 & & & & & & & & & & & & & & & & & $	Conductor size				
$\begin{tabular}{ c c c } \hline Max & AWG & 1/0 \\ \hline AWG & Flexible cable & & & & & & & & & & & & & & & & & & &$		AWG - Rigid cable			
AWG - Flexible cable       min       AWG       14         Max       AWG       1/0         Conductor size (IEC) - Flexible cable       min       mm²       2.5         Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Max       mm²       50         Mechanical life       cycles       1X10*         UL technical data       cycles       1X10*         Motor power for direct-on-line control for three-phase motor       120V       HP       15         480V       HP       25       480V       HP       50         600V       HP       40       10       10       10         for single-phase motor       120V       HP       5       240V       HP       5         Ambient conditions       120V       HP       5       15       15         Ambient conditions       Temperature       UL       15       15         Motor power for direct-on-line control       120V       HP       5         for single-phase motor       120V					
$\begin{tabular}{ c c c c } \hline min & AWG & 14 & & & & & & & & & & & & & & & & & $			Max	AWG	1/0
$\begin{tabular}{ c c c c c c } \hline Max & AWG & 1/0 \\ \hline Conductor size (IEC) - Flexible cable & min & mm^2 & 2.5 & Max & mm^2 & 50 \\ \hline Conductor size (IEC) - Rigid cable & min & mm^2 & 2.5 & Max & mm^2 & 50 \\ \hline Conductor size (IEC) - Rigid cable & & & & & & \\ \hline Max & mm^2 & 50 & & & & & & \\ \hline Max & mm^2 & 50 & & & & & & & \\ \hline Mechanical life & & & & & & & & & \\ \hline UL technical data & & & & & & & & & \\ \hline UL technical data & & & & & & & & & \\ \hline UL technical data & & & & & & & & & \\ \hline Motor power for direct-on-line control & & & & & & & & \\ \hline for three-phase motor & & & & & & & & \\ \hline for three-phase motor & & & & & & & & \\ \hline for single-phase motor & & & & & & & & \\ \hline for single-phase motor & & & & & & & & \\ \hline for single-phase motor & & & & & & & & \\ \hline Ambient conditions & & & & & & & & \\ \hline Temperature & & & & & & & & & \\ \hline Deprating temperature & & & & & & & & \\ \hline min & ^{\circ}C & -25 & & & & \\ \hline \end{tabular}$		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable       min       mm²       2.5         Max       mm²       50         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Max       mm²       50         Mechanical life       cycles       1×10°         UL technical data       cycles       1×10°         Motor power for direct-on-line control for three-phase motor       120V       HP       15         240V       HP       25       480V       HP       50         for single-phase motor       120V       HP       5       240V       HP       5         ABOV       HP       50       240V       HP       5       240V       HP       15         Ambient conditions       120V       HP       5       240V       HP       15         Ambient conditions       120V       HP       5       240V       HP       15         Ambient conditions       120V       HP       15       120V       HP       15         Motor power for graphing temperature       min       °C       -25       -25					
$\begin{tabular}{ c c c c c c c c c c } \hline min & mm^2 & 2.5 & & & & & & & & & & & & & & & & & & &$			Max	AWG	1/0
Max         mm²         50           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Max         mm²         50           Mechanical life         cycles         1×10°           UL technical data         cycles         1×10°           Motor power for direct-on-line control for three-phase motor         120V         HP         15           240V         HP         25         480V         HP         50           600V         HP         40         600V         HP         40           for single-phase motor         120V         HP         5         5           Ambient conditions         120V         HP         5         5           Motor power for time temperature         min         °C         -25		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable         min       mm²       2.5         Max       mm²       50         Mechanical life       cycles       1X10°         UL technical data         Motor power for direct-on-line control for three-phase motor         120V       HP       15         240V       HP       25         480V       HP       50         600V       HP       40         for single-phase motor       120V       HP       5         240V       HP       5       240V       HP       15         Ambient conditions         Temperature         Operating temperature         min       °C       -25			min		
min         mm²         2.5           Max         mm²         50           Mechanical life         cycles         1X10°           UL technical data			Max	mm²	50
Maxmm²50Mechanical lifecycles1X10°UL technical dataMotor power for direct-on-line control for three-phase motor120VHP15240VHP25480VHP50600VHP40600VHP40for single-phase motor120VHP5240VHP5240VHP5240VHP5240VHP5240VHP5240VHP5240VHP5240VHP5240VHP5240VHP15Ambient conditionsTemperatureOperating temperaturemin°C-25		Conductor size (IEC) - Rigid cable			
Mechanical life       cycles       1X10°         UL technical data       Image: cycles       1X10°         Motor power for direct-on-line control for three-phase motor       Image: cycles       1X10°         Image: cycles       1X10°       Image: cycles       IX10°         Image: cycles       IX10°       Image: cycles       IX10°         Image: cycles       IX10°       Image: cycles       IX10°         Image: cycles       Image: cycles       IX10°       Image: cycles       IX10°         Image: cycles       Image: cycles       IX10°       Image: cycles       IX10°         Image: cycles       Image: cycles       Image: cycles       IX10°       Image: cycles       Image: cycles       Image: cycles       IX10°         Image: cycles       Imag			min	mm²	2.5
UL technical data         Motor power for direct-on-line control for three-phase motor         120V       HP       15         240V       HP       25         480V       HP       50         600V       HP       40         for single-phase motor         120V       HP       5         240V       HP       5         240V       HP       5         240V       HP       15         Ambient conditions         Temperature         Operating temperature         min       °C       -25			Max	mm²	
Motor power for direct-on-line control for three-phase motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$				cycles	1X10 <sup>6</sup>
for three-phase motor         120V         HP         15           240V         HP         25           480V         HP         50           600V         HP         40   for single-phase motor           120V         HP         5           240V         HP         50           600V         HP         40   for single-phase motor           120V         HP         5           240V         HP         5           240V         HP         15   Ambient conditions           Temperature         V         HP   Operating temperature           min         °C         -25					
120V       HP       15         240V       HP       25         480V       HP       50         600V       HP       40         for single-phase motor         120V       HP       5         240V       HP       5         240V       HP       5         240V       HP       15         Ambient conditions         Temperature         Min       °C         Min       °C	Motor power for direc				
240V       HP       25         480V       HP       50         600V       HP       40         for single-phase motor         120V       HP       5         240V       HP       15         Ambient conditions         Temperature       u         Operating temperature       min         min       °C       -25		for three-phase motor			
480V 600VHP 4050 600Vfor single-phase motor120V 240VHP 15120V 240VHP 1515Ambient conditions5 15Temperature5 5 5Operating temperature5 5min°C 5					
600V     HP     40       for single-phase motor     120V     HP     5       120V     HP     15       Ambient conditions     5     5       Temperature     0     5       Min     °C     -25					
for single-phase motor 120V HP 5 240V HP 15 Ambient conditions Temperature Operating temperature min °C -25					
120V     HP     5       240V     HP     15   Ambient conditions Temperature Operating temperature min °C -25			600V	HP	40
240V     HP     15       Ambient conditions		for single-phase motor			
Ambient conditions Temperature Operating temperature min °C -25					
Temperature Operating temperature min °C -25			240V	HP	15
Operating temperature min °C -25					
min °C -25	Temperature				
		Operating temperature			
max °C +55			min		
			max	°C	+55
Storage temperature		Storage temperature			
min °C -40			min		
			max	°C	+70
			max		- • •

7GN12586P



Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP00
ETIM classification	
	EC001029 -
ETIM 8.0	Selector switch,

Selector switch, complete

7GN12586P