

## **7GN4093U** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 3 POLES 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

| Index local gration   Switching diagram   70N40     Switching diagram   38 - Multi-step 1-<br>-2-3 3 poles   39 - Multi-step 1-<br>-2-3 3 poles     N° of elements   5   -     Mounting form   -   -     Contract characteristics   -   -     Rated insulation voltage Ui   IEC/EN   V   680     UL/CSA   V   600   -     Conventional free air thermal current Ith   IEC/EN   A   40     Rated operational voltage   K/V   4   -     Rated operational impulse voltage   K/V   4   -     Maximum fuse size for short-circuit protection In (gG)   10/kA   A   40     Stak   A   40   -   -     Conductivity   10/S mA/V   -   22/20/20/V   A     Conductivity   10/S mA/V   -   22/20/20  | Product designation                   |                       |           |         | Rotary cam         |
|--|---------------------------------------|-----------------------|-----------|---------|--------------------|
| General characteristics   93 - Multistep 1:<br>2-3 3 poles     N° of elements   5     Mounting form   U - Front<br>mounting with<br>back handle     Contract characteristics   U     Rated insulation voltage Ui   IEC/EN   V     Rated insulation voltage Uimp   KV   6     Conventional free air thermal current Ith   IEC/EN   X   40     Conventional free air thermal current Ith   IEC/EN   A   40     Rated operational impulse voltage   KV   4   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     Staked A   40   25kA   A   40     201 Conductivity   10/5 mA/V   00/5 mA/V   00/5 mA/V     Operational current IcW   1s   kA   1000   20     Conductivity   10/5 mA/V   0/5 mA/V   0/5 mA/V     Operational current IcW   1s   kA   100     Conductivity   10/5 mA/V   22   380/400V   A   2     Rated operational power in AC   20/230V   KW <td>-</td> <td></td> <td></td> <td></td> <td>switches</td>  | -                                     |                       |           |         | switches           |
| Switching diagram   93 - Multi-step 1-<br>23 3 poles     N° of elements   5     Mounting form   mounting with<br>black handle     Contract characteristics   mounting with<br>black handle     Rated insulation voltage Ui   IEC/EN   V     Rated insulation voltage Uimp   KV   6     Conventional free air thermal current Ith   IEC/EN   A   40     Rated operational voltage   V   480   480     Rated operational impulse voltage   KV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     15KA   A   40   25KA   A   40     25KA   A   40   50KA   A   40     Stack A   A   40   50KA   A   40     Conductivity   10'S mA/V   00perational current Icw   10'S mA/V   00perational current Icw   10'S mA/V     Operational current Ice IEC/EN   A   40   22   220/230V   A   22     Rated operational power in AC   Three-phase AC-3   10'V  |                                       |                       |           |         | 7GN40              |
| Switcing diagram   2-3 3 poles     N° of elements   5     Mounting form   U - Front<br>mounting with<br>black handle     Contact characteristics   UL/CSA     Rated insulation voltage Ui   IEC/EN   V     UL/CSA   V   600     Rated insulation voltage Uimp   kV   6     Conventional free air thermal current Ith   IEC/EN   V   600     Rated operational voltage   V   480   Rated operational impulse voltage   V   4     Rated operational impulse voltage   KV   4   0   15KA   A   40     Stoke A   40   50KA   A   40   50KA   A   40     Stoke A   40   50KA   A   40   50KA   A   40     Conductivity   100   MA/V   25   220/230V   A   22     Operational current le IEC/EN   A   40   22   2380/400V   A   12     Conductivity   100's mA/V   20/230V   A   2   22 <td></td> <td></td> <td></td> <td></td> <td>93 - Multi-step 1-</td>  |                                       |                       |           |         | 93 - Multi-step 1- |
| Mounting form   U - Front<br>mounting with<br>black handle     Cortact characteristics   Jack handle     Rated insulation voltage Ui   IEC/EN   V   690     Quictory   KV   6   6     Conventional free air thermal current Ith   IEC/EN   A   40     Rated operational voltage   KV   4   6     Rated operational voltage   KV   4   6     Rated operational voltage   KV   4   6     Rated operational impulse voltage   KV   4   40     Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     Taked operational impulse voltage   KV   4   40     Rated short time current Icw   1s   kA   1000     Conductivity   10/5 mA/V   0   50kA   40     Conductivity   10/5 mA/V   0   2   380/40V   A   12     G60/690V   A   2   380/440V   KW   8   380/440V   18.5     S00/690V   KW   8 <td>Switching diagram</td> <td></td> <td></td> <td></td> <td></td>   | Switching diagram                     |                       |           |         |                    |
| Mounting form   mounting with<br>black handle     Contact charactoristics   IEC/EN   V   690     Rated insulation voltage Ui   IEC/EN   V   690     Conventional free air thermal current Ith   IEC/EN   A   40     Rated operational voltage   V   480   480     Rated operational uoltage   V   480   40     Rated operational impulse voltage   KV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     25kA   A   40   25kA   A   40     25kA   A   40   25kA   A   40     25kA   A   40   25kA   A   40     Conductivity   1s   kA   1000   25kA   A   40     AC1/AC21A   A   40   22   220/230V   A   22   230/400V   A   12     Rated operational power in AC   Three-phase AC-3   110V   KW   8   220/230V   KW   8  | N° of elements                        |                       |           |         |                    |
| Data characteristics   black handle     Rated insulation voltage Ui   IEC/EN   V   690     Rated insulation voltage Uimp   kV   6   600     Rated insulation voltage Uimp   kV   6   600     Conventional free air thermal current Ith   IEC/EN   A   40     Rated operational impulse voltage   V   480   840     Rated operational impulse voltage   kV   4   40     Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     15kA   A   40   25kA   A   40     25kA   A   40   50   50   50     Conductivity   10kA   A   40   50  | •• • •                                |                       |           |         |                    |
| Contact characteristics     IEC/EN   V   690     Rated insulation voltage Uimp   KV   6     Conventional free air thermal current Ith   IEC/EN   A   40     Conventional roltage   V   480   8     Rated operational voltage   V   480   8     Rated operational impulse voltage   KV   4   4     Maximum fuse size for short-circuit protection In (gG)   10KA   A   40     25KA   A   40   25KA   A   40     Conductivity   10   10KA   A   40     Conductivity   10/5 mA/V   000   000     Conductivity   10/5 mA/V   10/5 mA/V   000     Conductivity   10/5 mA/V   40   22/0/230V   A   22     Quictivity   10/5 mA/V   22/0/230V   A   22   22   22/0/230V   A   22     Rated operational power in AC   110V   KW   8   380/440V   380/440V   KW   15  | Mounting form                         |                       |           |         |                    |
| IEC/EN V 690     UL/CSA V 600     Rated inpulse withstand voltage Uimp   KV 6     Conventional free air thermal current Ith   IEC/EN A 40     UL/CSA A 50     Rated operational voltage   V 480     Rated operational impulse voltage   KV 4     Maximum fuse size for short-circuit protection In (gG)     10kA A 40     Stated operational impulse voltage     KV 4     Maximum fuse size for short-circuit protection In (gG)     10kA A 40     Conductivity     10kA A 40     Conductivity     Conductivity     Conductivity     Conductivity     AC1/AC21A     AC15     Conductivity     AC1/AC21A     AC15     Conductivity     Conductivity     AC15     Three-phase AC-3     Conductivi  | Contact characteristics               |                       |           |         | DIACK Handle       |
| IEC/EN   V   680<br>UL/CSA     Rated inpulse withstand voltage Uimp   kV   6     Conventional free air thermal current lth   IEC/EN   A   40     Rated operational voltage   V   480   40     Rated operational impulse voltage   KV   4   40     Rated operational impulse voltage   KV   4   40     Rated operational impulse voltage   KV   4   40     State operational impulse voltage   KV   4   40     Rated short time current low   10kA   A   40     Conductivity   1s   kA   1000     Conductivity   1s   kA   1000     Conductivity   1s   kA   1000     Conductivity   10/5 mA/V   000   220/230V   A   25     220/230V   A   25   220/230V   A   22     Rated operational current Icw   110V   A   25   220/230V   A   22     Rated operational power in AC   110V   KW  |                                       |                       |           |         |                    |
| Rated impulse withstand voltage Uimp   kV   6     Conventional Ifree air thermal current lth   IEC/EN   A   40     Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   40     15kA   A   40   25kA   A   40     Solva   A   40   50kA   A   40     Rated short time current lcw   1s   kA   1000   63kA   A   40     Conductivity   10'S mA/V   00'S mA/V   00'S mA/V   00'S mA/V   00'S mA/V     Operational current lce IEC/EN   A   40   A   22   220/230V   A   22     AC15   110V   A   25   220/230V   A   22     Rated operational power in AC   Three-phase AC-3   220/230V   KW   8   380/440V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8   |                                       |                       | IEC/EN    | V       | 690                |
| Conventional free air thermal current lth   IEC/EN   A   40     UL/CSA   A   50     Rated operational impulse voltage   V   480     Rated operational impulse voltage   KV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     15kA   A   40   50kA   A   40     25kA   A   40   50kA   A   40     63kA   A   40   50kA   A   40     Conductivity   10'5 mA/V   00'5 mA/V   00'5 mA/V     Operational current le IEC/EN   100'5 mA/V   00'5 mA/V   00'5 mA/V     Operational current le IEC/EN   A   40   A   220/230V   A   22     380/400V   A   12   660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   KW   8     380/440V   KW   15   500/690V   KW   8     380/440V   KW   8   380/440V <td></td> <td></td> <td>UL/CSA</td> <td>V</td> <td>600</td>   |                                       |                       | UL/CSA    | V       | 600                |
| IEC/EN   A   40     Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   40     15kA   A   40   25kA   A   40     25kA   A   40   63kA   A   40     Rated short time current lcw   1s   kA   1000   Conductivity   10/5 mA/V     Operational current le IEC/EN   10/5 mA/V   10/5 mA/V   220/230V   A   12     AC15   110V   A   22   2380/400V   A   12     Rated operational power in AC   112   660/690V   A   12     Rated operational power in AC   110V   KW   8   380/440V   KW   15     Single-phase AC-3   110V   kW   3   220/230V   48   40     220/230V   KW   8   380/440V   KW   15   5     Single-phase AC-3   110V   KW  | Rated impulse withstand voltage L     | Jimp                  |           | kV      | 6                  |
| UL/CSA   A   50     Rated operational impulse voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   40     15kA   A   40   50kA   A   40     25kA   A   40   63kA   A   40     Rated short time current lcw   1s   kA   1000   000     Conductivity   10/5 mA/V   000   000   000   000     Operational current le IEC/EN   A   40   | Conventional free air thermal curre   | ent Ith               |           |         |                    |
| Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   40     15kA   A   40   25kA   A   40     25kA   A   40   56kA   A   40     Rated short time current lcw   1s   kA   1000   63kA   A   40     Conductivity   1s   kA   1000   63kA   A   40     Acti/AC21A   10/5 mA/V   00   660/690V   A   22     Actific   110V   A   25   220/230V   A   22     Rated operational power in AC   110V   A   25   220/230V   KW   8     380/400V   kW   15   500/690V   KW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     380/440V   kW   8   380/440V   8W   380/440V   8W   380/440V<  |                                       |                       | IEC/EN    | А       | 40                 |
| Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     15kA   A   40   25kA   A   40     25kA   A   40   63kA   A   40     Rated short time current lcw   1s   kA   1000   Conductivity   10/5 mA/V     Operational current le IEC/EN   AC1/AC21A   A   40   AC15   10/V   A   25     220/230V   A   22   380/400V   A   12   660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   KW   8   380/440V   kW   15     Single-phase AC-3   110V   KW   3   220/230V   kW   8     380/440V   kW   3   220/230V   kW   8   380/440V   kW   8     500/690V   kW   15   380/440V   5   5   380/440V   kW   8   380/440V   8   380   |                                       |                       | UL/CSA    |         |                    |
| Maximum fuse size for short-circuit protection In (gG)   10kA   A   40     15kA   A   40     25kA   A   40     25kA   A   40     63kA   A   40     63kA   A   40     63kA   A   40     63kA   A   40     Conductivity   10/5 mA/V     Operational current le IEC/EN   10/5 mA/V     AC1/AC21A   A     AC15   110V   A     220/230V   A   22     380/400V   A   12     660/690V   A   2     Rated operational power in AC   110V   A     Three-phase AC-3   220/230V   kW     380/440V   kW   15     Single-phase AC-3   110V   KW     220/230V   kW   8     380/440V   kW   15     Single-phase AC23A   220/230V   kW     220/230V   kW   8     380  |                                       |                       |           |         |                    |
| 10kA   A   40     15kA   A   40     25kA   A   40     50kA   A   40     63kA   A   40     63kA   A   40     63kA   A   40     Conductivity   1s   kA   1000     Conductivity   10/5 mA/V   00/5 mA/V     Operational current le IEC/EN   AC1/AC21A   A     AC15   10/V   A   25     220/230V   A   22   380/400V   A   12     660/690V   A   2   380/400V   A   12     Single-phase AC-3   220/230V   kW   8   380/40V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     380/40V   kW   15   380/40V   8   3   |                                       |                       |           | kV      | 4                  |
| 15kA   A   40     25kA   A   40     50kA   A   40     63kA   A   40     63kA   A   40     Conductivity     Operational current le IEC/EN     AC1/AC21A     AC15   100     AC15   220/230V   A   22     380/400V   A   12   660/690V   A   2     Rated operational power in AC     Three-phase AC-3     220/230V   kW   8     380/440V   kW   15   5     Single-phase AC-3   110V   KW   3     Z20/230V   kW   8     380/440V   kW   15   5     Single-phase AC23A     Z20/230V   kW   8     Single-phase AC23A   220/230V   kW   8     Single-phase AC23A   220/230V   kW   8     S  | Maximum fuse size for short-circui    | it protection In (gG) |           |         |                    |
| 25kA   A   40     50kA   A   40     Rated short time current low   1s   kA   1000     Conductivity   10/5 mA/V   100/5 mA/V     Operational current le IEC/EN   A   40     AC1/AC21A   A   40     AC15   110V   A   25     220/230V   A   22     380/400V   A   12     660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   kW   8     220/230V   kW   15   500/690V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     220/230V   kW   8   380/440V   kW   15     Single-phase AC-3   110V   kW   8   380/440V   kW   8     220/230V   kW   8   380/440V   kW   8   380/440V   kW   18.5     Single-phase AC23A   220/230V </td <td></td> <td></td> <td></td> <td></td> <td></td>  |                                       |                       |           |         |                    |
| S0kA   A   40     Rated short time current low   1s   kA   40     Conductivity   1s   kA   1000     Operational current le IEC/EN   AC1/AC21A   A   40     AC15   110V   A   25     220/230V   A   22     380/400V   A   12     660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   KW   8     380/440V   KW   15   500/690V   KW   15     Single-phase AC-3   110V   KW   3   220/230V   KW   8     220/230V   kW   8   380/440V   kW   15   5     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC23A   220/230V   kW   8   3   3     Three-phase AC23A   220/230V   kW   8   3   3     Single-phase AC23A   220/230V   k   |                                       |                       |           |         |                    |
| 63kA   A   40     Rated short time current lcw   1s   kA   1000     Conductivity   10/5 mA/V   10/5 mA/V     Operational current le IEC/EN   A   40     AC1/AC21A   A   40     AC15   110V   A   25     220/230V   A   22   380/400V   A   12     660/690V   A   2   380/440V   KW   8     Single-phase AC-3   220/230V   kW   8   380/440V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC-3   110V   kW   8   380/440V   kW   8     Single-phase AC23A   220/230V   kW   8   380/440V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   kW   22     Single-phase AC23A   220/230V   kW   8   380/440V   kW   2     Single-phase AC23A   |                                       |                       |           |         |                    |
| Rated short time current low   1s   kA   1000     Conductivity   10/5 mA/V   10/5 mA/V     Operational current le IEC/EN   AC1/AC21A   A   40     AC15   110V   A   25     220/230V   A   22   380/400V   A   12     660/690V   A   12   660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   kW   8     380/440V   kW   15   500/690V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC-3   220/230V   kW   8   38/440V   kW   8     Three-phase AC23A   220/230V   kW   8   38/440V   kW   8     Three-phase AC23A   220/230V   kW   8   38/440V   kW   22     Single-phase AC23A   220/230V   kW   8   38/440V   kW   22     Single-phase AC23A  |                                       |                       |           |         |                    |
| 1s   kA   1000     Conductivity   10/5 mA/V     Operational current le IEC/EN   AC1/AC21A   A   40     AC15   110V   A   25     220/230V   A   22   380/400V   A   12     660/690V   A   2   380/400V   A   12     660/690V   A   2   380/400V   KW   8     Rated operational power in AC   Three-phase AC-3   220/230V   KW   8     Single-phase AC-3   110V   KW   3   220/230V   KW   8     Single-phase AC-3   110V   KW   3   220/230V   KW   8     Single-phase AC-3   110V   KW   8   380/440V   KW   8     Three-phase AC23A   110V   KW   8   380/440V   KW   8     Single-phase AC23A   220/230V   KW   8   380/440V   22   380/440V   22     Single-phase AC23A   220/230V   KW   8   | Rated short time current Icw          |                       | USKA      |         | 40                 |
| Conductivity   10/5 mA/V     Operational current le IEC/EN   A   40     AC1/AC21A   A   40     AC15   110V   A   25     220/230V   A   22   380/400V   A   12     660/690V   A   2   660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   kW   8     380/440V   kW   15   500/690V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC-3   110V   kW   3   220/230V   kW   8     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   kW   8     Single-phase AC23A   220/230V   kW   8   380/440V   kW   3     Single-phase AC23A   110V   kW   3   3   3  |                                       |                       | 1s        | kA      | 1000               |
| Operational current le IEC/EN   A   40     AC1/AC21A   A   40     AC15   110V   A   25     220/230V   A   22     380/400V   A   12     660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   kW   8     380/40V   kW   15   500/690V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC-3   110V   kW   3   220/230V   kW   8     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   kW   22     Single-phase AC23A   110V   kW   3   22   2  | Conductivity                          |                       | 10        | 101     |                    |
| AC1/AC21A<br>AC15<br>110V A 25<br>220/230V A 22<br>380/400V A 12<br>660/690V A 2<br>Rated operational power in AC<br>Three-phase AC-3<br>220/230V kW 8<br>380/440V kW 15<br>500/690V kW 15<br>Single-phase AC-3<br>110V kW 3<br>220/230V kW 6.5<br>380/440V kW 8<br>15<br>Single-phase AC23A<br>110V kW 8<br>380/440V kW 8<br>15<br>110V kW 3<br>220/230V kW 8<br>15<br>110V kW 3<br>15<br>110V kW 3<br>15<br>10V kW 3<br>10V kW 3<br>10 | · · · · · · · · · · · · · · · · · · · |                       |           |         |                    |
| AC15   110V   A   25     220/230V   A   22     380/400V   A   12     660/690V   A   2     Rated operational power in AC     Three-phase AC-3   220/230V   kW   8     380/440V   kW   15   500/690V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC-3   110V   kW   3   220/230V   kW   8     Single-phase AC-3   110V   kW   3   220/230V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   8   380/440V   8   380/440V   22     Single-phase AC23A   110V   kW   3   3   | -                                     | 1A                    |           |         |                    |
| 110V   A   25     220/230V   A   22     380/400V   A   12     660/690V   A   2     Rated operational power in AC     Three-phase AC-3     220/230V   kW   8     380/440V   kW   15     Single-phase AC-3   110V   kW   3     220/230V   kW   6.5   380/440V   kW   8     Three-phase AC-3     110V   kW   3     220/230V   kW   6.5     380/440V   kW   8   380/440V   kW   8     Three-phase AC23A     20/230V   kW   8     Three-phase AC23A     20/230V   kW   8     Single-phase AC23A     20/230V   kW   8     Single-phase AC23A     20/230V   kW   8     Single-phase AC23A   110V  |                                       |                       |           | А       | 40                 |
| 220/230V   A   22     380/400V   A   12     660/690V   A   2     Rated operational power in AC     Three-phase AC-3     220/230V   kW   8     380/440V   kW   15     500/690V   kW   15     Single-phase AC-3     110V   kW   3     220/230V   kW   6.5     380/440V   kW   8     Three-phase AC-3     110V   kW   8     220/230V   kW   8     220/230V   kW   8     Three-phase AC23A     220/230V   kW   8     Three-phase AC23A     220/230V   kW   8     380/440V   kW   18.5     500/690V   kW   22     Single-phase AC23A   110V   kW   3  | AC15                                  |                       |           |         |                    |
| 380/400V   A   12     660/690V   A   2     Rated operational power in AC<br>Three-phase AC-3     220/230V   kW   8     380/440V   kW   15     500/690V   kW   15     Single-phase AC-3   110V   kW   3     220/230V   kW   6.5   380/440V   kW   8     Three-phase AC-3     110V   kW   8   110V   kW   8     Three-phase AC23A     220/230V   kW   8   380/440V   kW   8     Single-phase AC23A     Three-phase AC23A     20/230V   kW   8     380/440V   kW   8     Single-phase AC23A     110V   kW   3   |                                       |                       | 110V      | А       | 25                 |
| 660/690V   A   2     Rated operational power in AC   Three-phase AC-3   220/230V   kW   8     380/440V   kW   15   500/690V   kW   15     Single-phase AC-3   110V   kW   3   220/230V   kW   6.5     380/440V   kW   3   220/230V   kW   8     Three-phase AC-3   110V   kW   8   380/440V   kW   8     220/230V   kW   8   380/440V   kW   8   380/440V   kW   22     Single-phase AC23A   220/230V   kW   18.5   500/690V   kW   22     Single-phase AC23A   110V   kW   3   3  |                                       |                       |           | А       |                    |
| Rated operational power in AC<br>Three-phase AC-3     220/230V   kW   8     380/440V   kW   15     500/690V   kW   15     Single-phase AC-3   110V   kW   3     220/230V   kW   6.5   380/440V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   kW   8     Three-phase AC23A   220/230V   kW   8   380/440V   kW   22     Single-phase AC23A   220/230V   kW   8   380/440V   kW   22     Single-phase AC23A   110V   kW   3   3  |                                       |                       |           |         |                    |
| Three-phase AC-3 220/230V kW 8   380/440V kW 15   500/690V kW 15   Single-phase AC-3 110V kW 3   220/230V kW 6.5   380/440V kW 8   Three-phase AC23A 220/230V kW 8   Three-phase AC23A 220/230V kW 8   Single-phase AC23A 220/230V kW 8   110V kW 22 2   Single-phase AC23A 110V kW 3  |                                       |                       | 660/690V  | A       | 2                  |
| 220/230V kW 8   380/440V kW 15   500/690V kW 15   Single-phase AC-3 110V kW 3   220/230V kW 6.5 380/440V kW 8   Three-phase AC23A 220/230V kW 8 380/440V kW 8   Single-phase AC23A 220/230V kW 18.5 500/690V kW 22   Single-phase AC23A 110V kW 3 3  |                                       |                       |           |         |                    |
| 380/440V kW 15   500/690V kW 15   Single-phase AC-3 110V kW 3   220/230V kW 6.5   380/440V kW 8   Three-phase AC23A 220/230V kW 8   220/230V kW 8   380/440V kW 15.5   500/690V kW 18.5   500/690V kW 22   Single-phase AC23A 110V kW 3  | Three-pha                             | ase AC-3              | 000/0001  | 1.1.1.1 | 0                  |
| 500/690V kW 15   Single-phase AC-3 110V kW 3   220/230V kW 6.5 380/440V kW 8   Three-phase AC23A 220/230V kW 8 380/440V kW 18.5   Single-phase AC23A 220/230V kW 22 22   Single-phase AC23A 110V kW 3  |                                       |                       |           |         |                    |
| Single-phase AC-3 110V kW 3   220/230V kW 6.5   380/440V kW 8   Three-phase AC23A 220/230V kW 8   380/440V kW 18.5   500/690V kW 22   Single-phase AC23A 110V kW 3   |                                       |                       |           |         |                    |
| 110V kW 3   220/230V kW 6.5   380/440V kW 8   Three-phase AC23A   220/230V kW 8   380/440V kW 18.5   500/690V kW 22   Single-phase AC23A   110V kW 3   | Single-ph                             | ase $\Delta C_{-3}$   | 300/090 V | N V V   | 15                 |
| 220/230V kW 6.5   380/440V kW 8   Three-phase AC23A 220/230V kW 8   380/440V kW 18.5   500/690V kW 22   Single-phase AC23A 110V kW 3   | Single ph                             |                       | 110V      | kW      | 3                  |
| 380/440V kW 8   Three-phase AC23A 220/230V kW 8   380/440V kW 18.5   500/690V kW 22   Single-phase AC23A 110V kW 3   |                                       |                       |           |         |                    |
| Three-phase AC23A 220/230V kW 8   380/440V kW 18.5   500/690V kW 22   Single-phase AC23A 110V kW 3   |                                       |                       |           |         |                    |
| 220/230V kW 8<br>380/440V kW 18.5<br>500/690V kW 22<br>Single-phase AC23A<br>110V kW 3   | Three-pha                             | ase AC23A             |           |         |                    |
| 500/690V kW 22<br>Single-phase AC23A<br>110V kW 3  | ·                                     |                       | 220/230V  | kW      | 8                  |
| Single-phase AC23A<br>110V kW 3  |                                       |                       | 380/440V  | kW      | 18.5               |
| 110V kW 3  |                                       |                       | 500/690V  | kW      | 22                 |
|  | Single-ph                             | ase AC23A             |           |         |                    |
| 220/230V kW 6  |                                       |                       |           |         |                    |
|  |                                       |                       | 220/230V  | кW      | 6                  |

7GN4093U

ENERGY AND AUTOMATION

## **7GN4093U** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 3 POLES 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

|                       |                                       | 380/440V     | kW         | 11                |
|-----------------------|---------------------------------------|--------------|------------|-------------------|
| Rated operational cu  | urrent in DC                          | 300/4401     |            |                   |
| ·                     | DC21A                                 |              |            |                   |
|                       |                                       | 48V          | А          | 40                |
|                       |                                       | 60V          | Α          | 40                |
|                       |                                       | 110V         | A          | 6                 |
|                       |                                       | 220V         | Α          | 0.9               |
|                       | DC23A (poles in series)               | 241/         | ^          | 40 (4)            |
|                       |                                       | 24V<br>48V   | A<br>A     | 40 (1)            |
|                       |                                       | 48 V<br>60 V | A          | 40 (2)<br>40 (3)  |
|                       |                                       | 110V         | A          | 20 (3)            |
|                       |                                       | 220V         | A          | 12 (4)            |
|                       | DC13                                  |              |            |                   |
|                       |                                       | 24V          | А          | 40                |
|                       |                                       | 48V          | А          | 32                |
|                       |                                       | 60V          | А          | 16                |
|                       |                                       | 110V         | Α          | 3                 |
| Power dissipation     |                                       |              | W          | 2.0               |
| Mechanical features   |                                       |              |            |                   |
| Terminals screw       |                                       |              |            | M4                |
| Tightening torque for | r terminals max                       |              | Nm         | 1.2               |
| Conductor size        |                                       |              |            |                   |
|                       | AWG - Rigid cable                     | min          | AWG        | 16                |
|                       |                                       | min<br>Max   | AWG        | 8                 |
|                       | AWG - Flexible cable                  | IVIAA        | ANG        | 0                 |
|                       |                                       | min          | AWG        | 16                |
|                       |                                       | Max          | AWG        | 10                |
|                       | Conductor size (IEC) - Flexible cable |              |            |                   |
|                       |                                       | min          | mm²        | 1.5               |
|                       |                                       | Max          | mm²        | 6                 |
|                       | Conductor size (IEC) - Rigid cable    |              |            |                   |
|                       |                                       | min          | mm²        | 1.5               |
|                       |                                       | Max          | mm²        | 10                |
| Mechanical life       |                                       |              | cycles     | 5x10 <sup>6</sup> |
| UL technical data     | ad a se Province dest                 |              |            |                   |
| Motor power for dire  |                                       |              |            |                   |
|                       | for three-phase motor                 | 120V         | HP         | 5                 |
|                       |                                       | 120V<br>240V | нР<br>НР   | 5<br>10           |
|                       |                                       | 480V         | HP         | 20                |
|                       |                                       | 400V<br>600V | HP         | 20                |
|                       | for single-phase motor                |              |            |                   |
|                       |                                       | 120V         | HP         | 2                 |
|                       |                                       | 240V         | HP         | 5                 |
| Ambient conditions    |                                       |              |            |                   |
| Temperature           |                                       |              |            |                   |
|                       | Operating temperature                 |              |            |                   |
|                       |                                       | min          | °C         | -25               |
|                       |                                       | max          | °C         | +55               |
|                       | Storage temperature                   | ! -          | ° <b>^</b> | 40                |
|                       |                                       | min          | °C<br>℃    | -40<br>+70        |
|                       |                                       | max          | U          | +70               |

7GN4093U

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



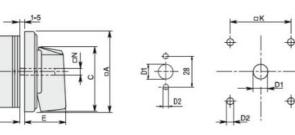
### **7GN4093U** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3, 3 POLES 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Resistance & Protection

# Frontal IP degree

Terminals IP degree

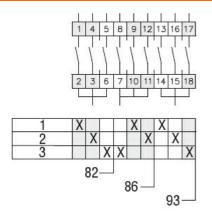
Dimensions



Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version). IP40 IP00

| Series | Dimensions |      |    |     |     |      | L Number of elements |    |    |      |      |       |       |       |       |       |       |       |       |       |       |
|--------|------------|------|----|-----|-----|------|----------------------|----|----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Series | □A         | С    | ØD | ØD1 | ØD2 | Е    | ØG                   | □K | □N | 1    | 2    | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
| 7GN12  | 48         | 39.5 | 39 | 12  | 5   | 26.5 | 38                   | 36 | 6  | 36.1 | 45.8 | 55.5  | 65.2  | 74.9  | 84.6  | 94.3  | 104   | 113.7 | 123.4 | 133.1 | 142.8 |
| 7GN20  | 48         | 39.5 | 39 | 12  | 5   | 26.5 | 38                   | 36 | 6  | 36.1 | 45.8 | 55.5  | 65.2  | 74.9  | 84.6  | 94.3  | 104   | 113.7 | 123.4 | 133.1 | 142.8 |
| 7GN25  | 48         | 39.5 | 43 | 12  | 5   | 26.5 | 38                   | 36 | 6  | 40.5 | 54.1 | 67.7  | 81.3  | 94.9  | 108.5 | 122.1 | 135.7 | 147.3 | 162.9 | 176.5 | 190.1 |
| 7GN32  | 65         | 53   | 58 | 14  | 5   | 34.5 | 58.5                 | 48 | 7  | 46.5 | 61.6 | 76.7  | 91.8  | 106.9 | 122   | 137.1 | 152.2 | 167.3 | 182.4 | 197.5 | 212.6 |
| 7GN40  | 65         | 53   | 58 | 14  | 5   | 34.5 | 58.5                 | 48 | 7  | 46.5 | 61.6 | 76.7  | 91.8  | 106.9 | 122   | 137.1 | 152.2 | 167.3 | 182.4 | 197.5 | 212.6 |
| 7GN63  | 65         | 53   | 62 | 14  | 5   | 34.5 | 58.5                 | 48 | 7  | 50.3 | 68.4 | 86.5  | 104.6 | 122.7 | 140.8 | 158.9 | 177   | 195.1 | 213.2 | 231.3 | 249.4 |
| 7GN125 | 90         | 70.5 | 86 | 16  | 6   | 41.5 | 84                   | 68 | 9  | 67.3 | 96.4 | 125.5 | 154.6 | 183.7 | 220.3 | 249.4 | 278.5 | 307.6 | 336.7 | 365.8 | 394.9 |

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 |                     |  |
| ETIM 8.0            |                     | EC001029 -<br>Selector switch,<br>complete |

7GN4093U