

## Main

|                                             |                                         |
|---------------------------------------------|-----------------------------------------|
| Range of product                            | TeSys GS                                |
| Device short name                           | GS2M                                    |
| Fuse type                                   | BS                                      |
| Fuse size                                   | B1<br>B2                                |
| Product or component type                   | Fuse switch disconnector body           |
| Poles description                           | 3P                                      |
| Network type                                | AC<br>DC                                |
| Type of operating handle                    | External frontal<br>External right side |
| [Ith] conventional free air thermal current | 200 A at 40 °C                          |

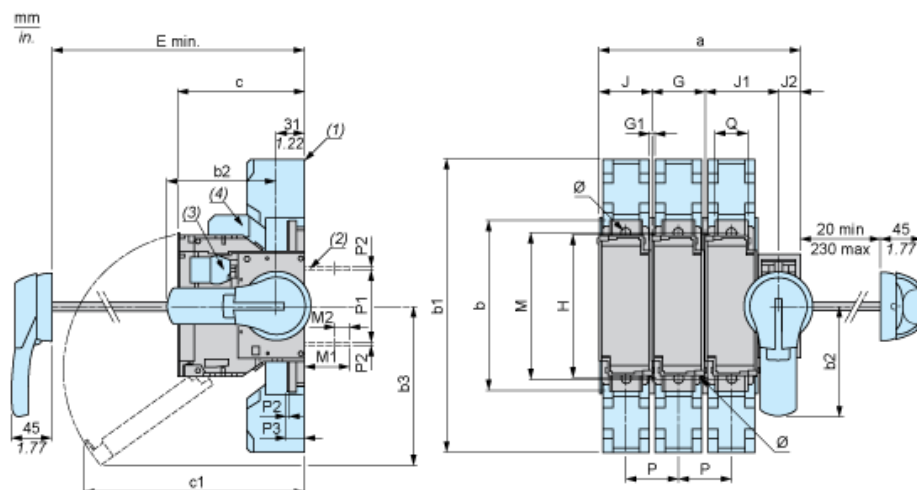
## Complementary

|                                           |                                                                                                                                                                                                                                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                         | 50/60 Hz                                                                                                                                                                                                                                                     |
| Mounting support                          | Plate<br>Rail                                                                                                                                                                                                                                                |
| [Ui] rated insulation voltage             | 750 V AC 50/60 Hz                                                                                                                                                                                                                                            |
| [Uimp] rated impulse withstand voltage    | 8 kV                                                                                                                                                                                                                                                         |
| Short-circuit withstand                   | 32.5 kA                                                                                                                                                                                                                                                      |
| [Ie] rated operational current            | 160 A at 690 V AC-23B<br>200 A at 400 V AC-23A<br>200 A at 400 V AC-23B<br>200 A at 440 V 2 poles in series per phase DC-23A<br>200 A at 440 V 2 poles in series per phase DC-23B<br>200 A at 500 V AC-23A<br>200 A at 500 V AC-23B<br>200 A at 690 V AC-23A |
| Rated operational power in W              | 100 kW at 400 V AC-23A<br>100 kW at 400 V AC-23B<br>140 kW at 500 V AC-23A<br>140 kW at 500 V AC-23B<br>150 kW at 690 V AC-23A<br>185 kW at 690 V AC-23B                                                                                                     |
| Making capacity                           | 2000 A at 400 V (AC-23B)                                                                                                                                                                                                                                     |
| [Icm] rated short-circuit making capacity | 200 kA rating of associated fuses<br>80 kA at 400 V with protection by gl fuses                                                                                                                                                                              |
| Breaking capacity                         | 1600 kA at 400 V AC-23B                                                                                                                                                                                                                                      |
| Mechanical durability                     | 10000 cycles                                                                                                                                                                                                                                                 |
| Electrical durability                     | 1000 cycles on AC-23A<br>1000 cycles on AC-23B<br>200 cycles on DC-23A<br>200 cycles on DC-23B                                                                                                                                                               |
| Connections - terminals                   | Power circuit: bars cable 32 mm <sup>2</sup><br>Power circuit: cable cable 95...240 mm <sup>2</sup>                                                                                                                                                          |
| Tightening torque                         | Power circuit: 25 N.m                                                                                                                                                                                                                                        |
| Height                                    | 234 mm                                                                                                                                                                                                                                                       |
| Width                                     | 195 mm                                                                                                                                                                                                                                                       |
| Depth                                     | 146 mm                                                                                                                                                                                                                                                       |
| Product weight                            | 3.2 kg                                                                                                                                                                                                                                                       |

## Environment

|                                       |                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------|
| Standards                             | IEC 60269-1<br>IEC 60269-2<br>IEC 60947-3                                                |
| Product certifications                | ASEFA<br>LOVAG<br>LROS (Lloyds register of shipping)                                     |
| IP degree of protection               | IP20 with terminal cover conforming to IEC 60529                                         |
| Ambient air temperature for operation | -20...70 °C                                                                              |
| Ambient air temperature for operation | -20...70 °C operation<br>-40...80 °C storage                                             |
| Fire resistance                       | 850 °C fuse cover conforming to IEC 60695-2-1<br>960 °C body conforming to IEC 60695-2-1 |

External Front and RH Side-mounted Operator



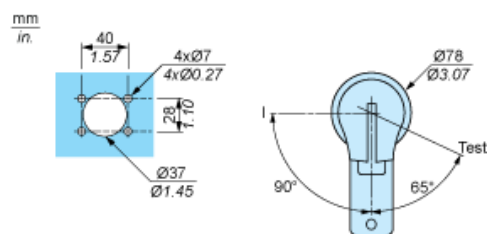
- (1) Terminal cover.
- (2) Rear access connector plates (option).
- (3) 1 to 8 auxiliary contacts GS1AM1••.
- (4) 1 to 2 auxiliary contacts GS1AF••.
- (5) 1 auxiliary contact GS1AM1••: + 23.5 mm, 2 auxiliary contacts GS1AM1••: + 47 mm.
- (6) 132 mm with 2 auxiliary contacts GS1AM1••.

In the following table the dimensions are provided in millimeters and in inches (in italic text).

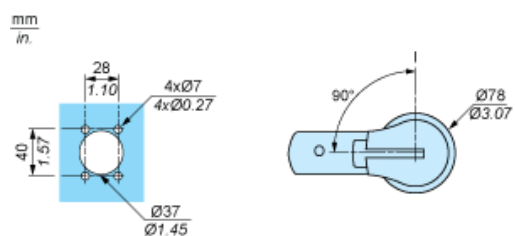
| GS2        | a           | b           | b1           | b2           | b3          | c                    | c1                   | E min.             | G                  | G1          | H           | J           | J1         | J2         | Ø          | M           | M1          | M2         | P          | P1         | P2          | P3           | Q            | Ø           |             |
|------------|-------------|-------------|--------------|--------------|-------------|----------------------|----------------------|--------------------|--------------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|------------|------------|------------|-------------|--------------|--------------|-------------|-------------|
| F, DB      | 3P          | 121<br>4.76 | 118<br>4.65  | –            | 70<br>2.76  | 85<br>3.35           | 87<br>(5)<br>3.43    | 153<br>6.02        | 100<br>(5)<br>3.94 | 27<br>1.06  | 5.4<br>0.21 | 106<br>4.17 | 31<br>1.22 | 45<br>1.77 | 18<br>0.71 | 5<br>0.20   | –           | 15<br>0.59 | 6<br>0.24  | 27<br>1.06 | 59<br>2.32  | 2<br>0.08    | –            | 12<br>0.47  | –           |
| 4P         | 148<br>5.83 | 118<br>4.65 | –            | 70<br>2.76   | 85<br>3.35  | 87<br>(5)<br>3.43    | 153<br>6.02          | 100<br>(5)<br>3.94 | 27<br>1.06         | 5.4<br>0.21 | 106<br>4.17 | 31<br>1.22  | 45<br>1.77 | 18<br>0.71 | 5<br>0.20  | –           | 15<br>0.59  | 6<br>0.24  | 27<br>1.06 | 59<br>2.32 | 2<br>0.08   | –            | 12<br>0.47   | –           |             |
| G. GB      | 3P          | 136<br>5.35 | 118<br>4.65  | –            | 70<br>2.76  | 159<br>6.26          | 116.5<br>(6)<br>4.59 | 125<br>5.71        | 125<br>4.92        | 32<br>1.26  | 5.4<br>0.21 | 106<br>4.17 | 36<br>1.42 | 50<br>1.97 | 18<br>0.71 | 5<br>0.20   | –           | 15<br>0.59 | 6<br>0.24  | 32<br>1.26 | 59<br>2.32  | 2<br>0.08    | –            | 12<br>0.47  | –           |
| 4P         | 168<br>6.61 | 118<br>4.65 | –            | 70<br>2.76   | 159<br>6.26 | 116.5<br>(6)<br>4.59 | 125<br>5.71          | 125<br>4.92        | 32<br>1.26         | 5.4<br>0.21 | 106<br>4.17 | 36<br>1.42  | 50<br>1.97 | 18<br>0.71 | 5<br>0.20  | –           | 15<br>0.59  | 6<br>0.24  | 32<br>1.26 | 59<br>2.32 | 2<br>0.08   | –            | 12<br>0.47   | –           |             |
| J, JB, K   | 3P          | 148<br>5.83 | 162<br>6.38  | 268<br>10.55 | 125<br>4.92 | 141<br>5.55          | 116<br>(6)<br>4.57   | 187<br>7.36        | 135<br>5.31        | 36<br>1.42  | 5.4<br>0.21 | 127<br>5.00 | 40<br>1.57 | 54<br>2.13 | 18<br>0.71 | 5<br>0.20   | 141<br>5.55 | 41<br>1.61 | 8<br>0.31  | 36<br>1.42 | 62<br>2.44  | 2.5<br>0.10  | 19.5<br>0.77 | 20<br>0.79  | 8.5<br>0.33 |
| 4P         | 184<br>7.24 | 162<br>6.38 | 268<br>10.55 | 125<br>4.92  | 141<br>5.55 | 116<br>(6)<br>4.57   | 187<br>7.36          | 135<br>5.31        | 36<br>1.42         | 5.4<br>0.21 | 127<br>5.00 | 40<br>1.57  | 54<br>2.13 | 18<br>0.71 | 5<br>0.20  | 141<br>5.55 | 41<br>1.61  | 8<br>0.31  | 36<br>1.42 | 62<br>2.44 | 2.5<br>0.10 | 19.5<br>0.77 | 20<br>0.79   | 8.5<br>0.33 |             |
| KK, LL     | 3P          | 148<br>5.83 | 162<br>6.38  | 268<br>10.55 | 125<br>4.92 | 141<br>5.55          | 126.5<br>(6)<br>4.98 | 193<br>7.60        | 135<br>5.31        | 36<br>1.42  | 5.4<br>0.21 | 127<br>5.00 | 40<br>1.57 | 54<br>2.13 | 18<br>0.71 | 5<br>0.20   | 141<br>5.55 | 41<br>1.61 | 8<br>0.31  | 36<br>1.42 | 62<br>2.44  | 2.5<br>0.10  | 19.5<br>0.77 | 20<br>0.79  | 8.5<br>0.33 |
| 4P         | 184<br>7.24 | 162<br>6.38 | 268<br>10.55 | 125<br>4.92  | 141<br>5.55 | 126.5<br>(6)<br>4.98 | 193<br>7.60          | 135<br>5.31        | 36<br>1.42         | 5.4<br>0.21 | 127<br>5.00 | 40<br>1.57  | 54<br>2.13 | 18<br>0.71 | 5<br>0.20  | 141<br>5.55 | 41<br>1.61  | 8<br>0.31  | 36<br>1.42 | 62<br>2.44 | 2.5<br>0.10 | 19.5<br>0.77 | 20<br>0.79   | 8.5<br>0.33 |             |
| L, LB, LLB | 3P          | 190<br>7.48 | 162<br>6.38  | 268<br>10.55 | 125<br>4.92 | 174<br>6.85          | 136.5<br>(6)<br>5.37 | 229<br>9.02        | 145<br>5.71        | 50<br>1.97  | 5.4<br>0.21 | 140<br>5.51 | 54<br>2.13 | 64<br>2.52 | 18<br>0.71 | 5<br>0.20   | 141<br>5.55 | 41<br>1.61 | 8<br>0.31  | 50<br>1.97 | 62<br>2.44  | 2.5<br>0.10  | 19.5<br>0.77 | 20<br>0.79  | 8.5<br>0.33 |
| 4P         | 240<br>9.45 | 162<br>6.38 | 268<br>10.55 | 125<br>4.92  | 174<br>6.85 | 136.5<br>(6)<br>5.37 | 229<br>9.02          | 145<br>5.71        | 50<br>1.97         | 5.4<br>0.21 | 140<br>5.51 | 54<br>2.13  | 64<br>2.52 | 18<br>0.71 | 5<br>0.20  | 141<br>5.55 | 41<br>1.61  | 8<br>0.31  | 50<br>1.97 | 62<br>2.44 | 2.5<br>0.10 | 19.5<br>0.77 | 20<br>0.79   | 8.5<br>0.33 |             |

| GS2                | a            | b           | b1           | b2           | b3          | c           | c1           | E<br>min.    | G           | G1          | H           | J           | J1         | J2         | Ø          | M           | M1          | M2           | P            | P1         | P2          | P3           | Q            | Ø          |            |
|--------------------|--------------|-------------|--------------|--------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|--------------|--------------|------------|-------------|--------------|--------------|------------|------------|
| MMB,<br>NB,<br>N   | 3P           | 234<br>9.21 | 195<br>7.68  | 345<br>13.58 | 125<br>4.92 | 185<br>7.28 | 146<br>5.75  | 251<br>9.88  | 154<br>6.06 | 60<br>2.36  | 6.4<br>0.25 | 162<br>6.38 | 64<br>2.52 | 86<br>3.39 | 25<br>0.98 | 6<br>0.24   | 166<br>6.54 | 52<br>2.05   | 17<br>0.67   | 60<br>2.36 | 84<br>3.31  | 2.5<br>0.10  | 19.5<br>0.77 | 32<br>1.26 | 11<br>0.43 |
| 4P                 | 294<br>11.57 | 195<br>7.68 | 345<br>13.58 | 125<br>4.92  | 185<br>7.28 | 146<br>5.75 | 251<br>9.88  | 154<br>6.06  | 60<br>2.36  | 6.4<br>0.25 | 162<br>6.38 | 64<br>2.52  | 86<br>3.39 | 25<br>0.98 | 6<br>0.24  | 166<br>6.54 | 52<br>2.05  | 17<br>0.67   | 60<br>2.36   | 84<br>3.31 | 2.5<br>0.10 | 19.5<br>0.77 | 32<br>1.26   | 11<br>0.43 |            |
| PPB,<br>QQB,<br>QQ | 3P           | 252<br>9.92 | 205<br>8.07  | 355<br>13.98 | 125<br>4.92 | 200<br>7.87 | 149<br>5.87  | 260<br>10.24 | 157<br>6.18 | 66<br>2.60  | 6.4<br>0.25 | 172<br>6.77 | 70<br>2.76 | 91<br>3.58 | 25<br>0.98 | 6<br>0.24   | 175<br>6.89 | 54<br>2.13   | 14.5<br>0.57 | 66<br>2.60 | 84<br>3.31  | 3<br>0.12    | 20<br>0.79   | 50<br>1.97 | 11<br>0.43 |
| 4P                 | 318<br>12.52 | 205<br>8.07 | 355<br>13.98 | 125<br>4.92  | 200<br>7.87 | 149<br>5.87 | 260<br>10.24 | 157<br>6.18  | 66<br>2.60  | 6.4<br>0.25 | 172<br>6.77 | 70<br>2.76  | 91<br>3.58 | 25<br>0.98 | 6<br>0.24  | 175<br>6.89 | 54<br>2.13  | 14.5<br>0.57 | 66<br>2.60   | 84<br>3.31 | 3<br>0.12   | 20<br>0.79   | 50<br>1.97   | 11<br>0.43 |            |

### Door Cut-out - For External Front-mounted Operator



### Door Cut-out - For External RH Side-mounted Operator



## 3-pole GS

