



### Main

|                               |                  |
|-------------------------------|------------------|
| Range                         | TeSys            |
| Product name                  | TeSys VARIO LS   |
| Device short name             | VLS3P            |
| Product or component type     | Switch body      |
| Performance level             | High performance |
| Poles description             | 3P               |
| Contacts type and composition | 3 NO             |
| Network type                  | AC               |
| Network frequency             | 50/60 Hz         |

### Complementary

|  |   |
|--|---|
| Mounting support                             | Door  |
| [Ue] rated operational voltage               | 690 V AC 50/60 Hz   |
| [Uimp] rated impulse withstand voltage       | 8 kV  |
| [Ith] conventional free air thermal current  | 32 A at 55 °C   |
| [Ithe] conventional enclosed thermal current | 32 A  |
| [Ie] rated operational current               | 25 A (AC-23A) at 500 V<br>25 A (AC-23A) at 690 V<br>32 A (AC-21A) at 400 V<br>32 A (AC-21A) at 500 V<br>32 A (AC-21A) at 690 V<br>32 A (AC-22A) at 400 V<br>32 A (AC-22A) at 500 V<br>32 A (AC-22A) at 690 V<br>32 A (AC-23A) at 400 V<br>32 A at 600 V according to UL 508 |
| Rated operational power in W                 | 22 kW at 690 V (AC-23A)<br>18.5 kW at 500 V (AC-23A)<br>15 kW at 400 V (AC-23A)   |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

|   |   |
|---|---|
| Intermittent duty class                   | Class 120 - 60 %  |
| Making capacity                           | 320 A at 690 V] (AC-23A)<br>48 A at 690 V] (AC-21A)<br>96 A at 690 V] (AC-22A)  |
| [Icm] rated short-circuit making capacity | 1128 A at 690 V   |
| [Icw] rated short-time withstand current  | 800 A at 690 V during 1 s   |
| Rated conditional short-circuit current   | 50 kA at 400 V - associated fuse 32 A gG  |
| Breaking capacity                         | 48 A at 690 V AC-21A<br>96 A at 690 V AC-22A<br>256 A at 690 V AC-23A   |
| Mechanical durability                     | 100000 cycles   |
| Electrical durability                     | 100000 cycles AC-21A  |
| Connections - terminals                   | Power circuit : screw clamp terminals cable 16 mm <sup>2</sup> - cable stiffness: flexible - without cable end<br>Power circuit : screw clamp terminals cable 10 mm <sup>2</sup> - cable stiffness: solid |
| Tightening torque                         | Power circuit : 1.8...2 N.m - on screw clamp terminals  |
| Height                                    | 73 mm   |
| Width                                     | 45 mm   |
| Depth                                     | 78 mm   |
| Product weight                            | 0.135 kg  |
| Colour                                    | Grey  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-3<br>UL 508<br>CSA C22.2 No 14   |
| Product certifications                | GL   |
| IP degree of protection               | IP20 conforming to IEC 60529   |
| Mechanical robustness                 | Vibrations 2...100 Hz Fc 0.7 g IEC 60068-2-6<br>Shocks 11 ms Ea 15 gn IEC 60068-2-27 |
| Ambient air temperature for operation | -25...55 °C  |
| Fire resistance                       | 960 °C conforming to IEC 60695-2-11  |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 21734 - TESYS VLS DISCONNECT SWITCHES |
| Discount Schedule     | CP1                                   |
| GTIN                  | 00785901561224                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.4299999999999999                    |
| Returnability         | Y                                     |
| Country of origin     | IT                                    |