

Product availability : Stock - Normally stocked in distribution facility



### Main

|                               |                      |
|-------------------------------|----------------------|
| Range                         | TeSys                |
| Device short name             | VLS1P                |
| Product or component type     | Additional pole      |
| Performance level             | High performance     |
| Poles description             | 1P                   |
| Contacts type and composition | 1 NO                 |
| Contacts operation            | Simultaneous         |
| Range compatibility           | TeSys VARIO LS VLS3P |
| Network type                  | AC                   |
| Network frequency             | 50/60 Hz             |
| Suitability for isolation     | Yes                  |

### Complementary

|  |  |
|--|--|
| Mounting location                            | Left<br>Right  |
| Mounting support                             | Door   |
| System Voltage                               | 690 V AC 50/60 Hz  |
| [Uimp] rated impulse withstand voltage       | 8 kV   |
| [Ith] conventional free air thermal current  | 63 A at 55 °C  |
| [Ithe] conventional enclosed thermal current | 63 A   |
| [Ie] rated operational current               | 63 A (AC-21A) at 400 V<br>63 A (AC-21A) at 500 V<br>63 A (AC-21A) at 690 V<br>63 A (AC-22A) at 400 V<br>63 A (AC-22A) at 500 V<br>63 A (AC-22A) at 690 V<br>63 A (AC-23A) at 400 V<br>63 A (AC-23A) at 500 V<br>47 A (AC-23A) at 690 V |

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

|   |   |
|---|---|
|   | 60 A at 600 V according to UL98   |
| Rated operational power in W              | 45 kW at 500 V (AC-23A)<br>45 kW at 690 V (AC-23A)<br>30 kW at 400 V (AC-23A)   |
| Intermittent duty class                   | Class 120 - 60 %  |
| Making capacity                           | 94.5 A at 690 V (AC-21A)<br>189 A at 690 V (AC-22A)<br>630 A at 690 V (AC-23A)  |
| [Icm] rated short-circuit making capacity | 3550 A at 690 V   |
| [Icw] rated short-time withstand current  | 2500 A at 690 V during 1 s  |
| Rated conditional short-circuit current   | 50 kA at 400 V - associated fuse 63 A gG  |
| Breaking capacity                         | 94.5 A at 690 V AC-21A<br>189 A at 690 V AC-22A<br>504 A at 690 V AC-23A  |
| Mechanical durability                     | 30000 cycles  |
| Electrical durability                     | 30000 cycles AC-21  |
| Connections - terminals                   | Power circuit : screw clamp terminals cable 70 mm <sup>2</sup> - cable stiffness: flexible - without cable end<br>Power circuit : screw clamp terminals cable 50 mm <sup>2</sup> - cable stiffness: solid |
| Tightening torque                         | Power circuit : 5...6 N.m - on screw clamp terminals  |
| Height                                    | 3.94 in (100 mm)  |
| Width                                     | 0.91 in (23 mm)   |
| Depth                                     | 1.73 in (43.9 mm)   |
| Product weight                            | 0.24 lb(US) (0.11 kg)   |
| Colour                                    | Grey  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-3<br>CSA C22.2 No 4<br>UL98  |
| 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 Ea 15 gn IEC 60068-2-27 |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C)   |
| Fire resistance                       | 1760 °F (960 °C) conforming to IEC 60695-2-11                                  |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 21734 - TESYS VLS DISCONNECT SWITCHES |
| Discount Schedule     | CP1                                   |
| GTIN                  | 00785901567226                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.28999999999999998                   |
| Returnability         | Y                                     |
| Country of origin     | IT                                    |