



### Main

Range	TeSys
Product name	TeSys D
Product or component type	Contactors
Device short name	LP1D
Contactors application	Resistive load
Utilisation category	AC-1
Poles description	4P
Power pole contact composition	2 NO + 2 NC
[Ue] rated operational voltage	Power circuit <= 1000 V AC 25...400 Hz Power circuit <= 300 V DC
[Ie] rated operational current	125 A 60 °C) <= 440 V AC AC-1 power circuit
[Uc] control circuit voltage	72 V DC
Coil type	Wide range
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	125 A 60 °C power circuit
Irms rated making capacity	1100 A 440 V power circuit IEC 60947
Rated breaking capacity	1100 A 440 V power circuit IEC 60947
[Icw] rated short-time withstand current	135 A 40 °C - 10 min power circuit 320 A 40 °C - 1 min power circuit 640 A 40 °C - 10 s power circuit 990 A 40 °C - 1 s power circuit
Associated fuse rating	200 A gG <= 690 V type 1 power circuit 160 A gG <= 690 V type 2 power circuit
Average impedance	0,8 mOhm - Ith 125 A 50 Hz power circuit
[Ui] rated insulation voltage	Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Power circuit: 1000 V conforming to IEC 60947-4-1

Atsakomybės apribojimas: Šių dokumentų tikslas nėra nurodyti produktų tinkamumą tam tikram naudojimui ar nustatyti jų patikimumą. Jie taip pat neatstoja tinkamumo ar patikimumo nustatymo

Electrical durability	0,8 Mcycles 125 A AC-1 <= 440 V
Power dissipation per pole	12,5 W AC-1
Front cover	Without
Mounting support	Plate Rail
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Product certifications	BV CCC CSA DNV EAC GL LROS (Lloyds register of shipping) UL
Connections - terminals	Control circuit: lugs-ring terminals (external diameter: 8 mm) Power circuit lugs-ring terminals 17 mm) Power circuit bars 1 3 x 16 mm
Tightening torque	Control circuit 1,2 N.m lugs-ring terminals flat Ø 6 mm M3.5 Control circuit 1,2 N.m lugs-ring terminals Philips No 2 M3.5 Power circuit 12 N.m lugs-ring terminals hexagonal 10 mm M6 Power circuit 12 N.m lugs-ring terminals flat Ø 8 mm M6 Power circuit 12 N.m bars flat Ø 8 mm M6 Power circuit 12 N.m bars hexagonal 10 mm M6
Operating time	6...20 ms opening 20...35 ms closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical durability	4 Mcycles
Maximum operating rate	3600 cyc/h 60 °C

## Complementary

Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.1...0.3 U <sub>c</sub> (-40...70 °C):drop-out DC 0.75...1.2 U <sub>c</sub> -40...55 °C operational DC 1...1.2 U <sub>c</sub> 55...70 °C operational DC
Time constant	75 ms
Inrush power in W	22 W 20 °C
Hold-in power consumption in W	22 W 20 °C

## Environment

IP degree of protection	IP20 front face conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068-2-30
Pollution degree	3
Ambient air temperature for operation	-40...60 °C 60...70 °C with derating
Ambient air temperature for storage	-60...80 °C
Operating altitude	0...3000 m
Fire resistance	850 °C conforming to IEC 60695-2-1
Flame retardance	V1 UL 94
Mechanical robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 3 Gn, 5...300 Hz Shocks contactor open: 8 Gn for 11 ms Shocks contactor closed: 10 Gn for 11 ms
Height	127 mm
Width	96 mm
Depth	196 mm

Net weight	2,91 kg
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### Packing Units

1 pakuotės svoris	0,001 kg
1 pakuotės aukštis	0,010 dm
1 pakuotės plotis	0,010 dm
1 pakuotės ilgis	0,020 dm

### Offer Sustainability

Tvaraus pasiūlymo statusas	„Green Premium“ gaminys
REACH direktyva	<a href="#">REACH deklaracija</a>
REACH be SVHC	Taip
ES RoHS direktyva	Atitinka <a href="#">ES RoHS deklaracija</a>
Be sunkių toksiškų metalų	Taip
Be gyvsidabrio	Taip
RoHS išimčių informacija	<a href="#">Taip</a>
Kinijos RoHS direktyva	<a href="#">Kinijos RoHS deklaracija</a> Proaktyvi Kinijos RoHS deklaracija (neįeinanti į Kinijos RoHS teisinę apimtį)
Aplinkosauginės informacijos atskleidimas	<a href="#">Produkto aplinkosaugos profilis</a>
WEEE	Šį produktą Europos Sąjungos rinkose reikia utilizuoti perduodant į specialias surinkimo vietas ir negalima išmesti su buitėmis atliekomis.
Be PVC	Taip

### Contractual warranty

Garantija	18 months
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