Product data sheet
Characteristics

SSL1D03BDPR
Solid state relay pre assembled, Harmony, 3.5A, DC switching, spring sockets, input 16… 30V DC, output 1...24V DC _



Main

Range of product	Harmony Solid State Relays
Device short name	SSL
Network number of phases	1 phase
[Uc] control circuit voltage	16...30 V
Connections - terminals	Spring terminals
Output switching mode	DC switching

Complementary

Mounting support	Spring socket
[In] rated current	3.5 A
Output voltage	1...24 V DC
[Uc] control circuit voltage	16...30 V DC
Tightening torque	10...40 N.m
Connections - terminals	Flexible cable with cable end,clamping capacity: 0.2...1.5 mm² (24 AWG...16 AWG) Solid cable with cable end,clamping capacity: 0.2...1.5 mm² (24 AWG...16 AWG)
Capacitance unbalance	1.5 PF input/output
Minimum switching voltage	16 V DC turn-on
Maximum switching voltage	5 V DC turn-off
Input impedance	2.67 kOhm
Solid state output type	Mosfet output DC switching
Load current	0.001…3.5 A
Absolute maximum voltage	30 V DC
Surge current	9 A for 10 ms
Maximum voltage drop	<0.5 V on-state
Maximum leakage current	0.001 MA off-state
Response time	0.25 ms (turn-on) 0.12 ms (turn-off)
Overvoltage category	III
Width	6.2 Mm
Height	104.6 Mm
Depth	79.5 Mm
Net weight	0.0285 Kg
Device presentation	Complete product

Environment

Flame retardance	V0 conforming to UL 94
Dielectric strength	2500 V for input/output
Pollution degree	2
Standards	IEC 60950-1 IEC 61000 IEC 62314 IEC 61984 EN 61984
Product certifications	UL[RETURN]CSA[RETURN]CE[RETURN]UL 508[RETURN]CSA22.2 No. 14-10[RETURN]GOST
Marking	CURus CSA CE EAC
IP degree of protection	IP20
Ambient air temperature for operation	-20…70 °C
Ambient air temperature for storage	-20…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.700 Cm
Package 1 Width	8.000 Cm
Package 1 Length	10.500 Cm
Package 1 Weight	27.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	9.200 Cm
Package 2 Width	11.000 Cm
Package 2 Length	20.000 Cm
Package 2 Weight	892.000 G
Unit Type of Package 3	S03
Number of Units in Package 3	270
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	8.730 Kg

Offer Sustainability

Recyclability potential, in %	27
Total lifecycle Carbon footprint	18 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.0300031162
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0042577096
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0001995323
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	17.288176
Carbon footprint of the use phase [B2, B3, B4, B6]	17 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0084216329
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	18
Packaging made with recycled cardboard	Yes

Packaging without single use plastic	Yes
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh
End of life manual availability	No need of specific recycling operations
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised