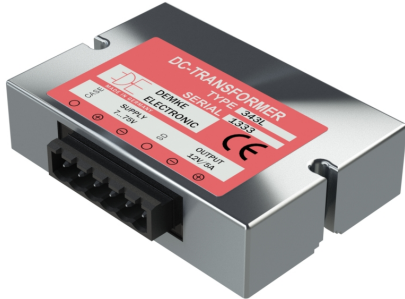


343.002

343L-12-SD

60 Watt single output



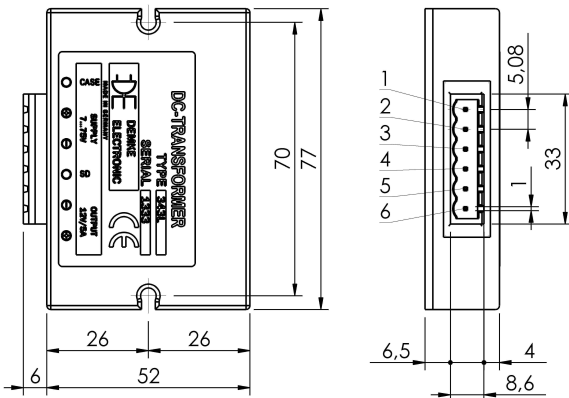
General

- Ultrawide input voltage range of 1:10.7
- Very high efficiency up to 93%
- Very low input ripple and noise
- Integrated EMI input and output filter
- Continuous no load and short circuit proof
- Very compact sized 77x52x19 mm
- For ambient temperatures up to +85°C
- No derating
- Isolated output

Mechanical dimensions and Pin configuration

All dimensions in mm

Connector type: CCA 2,5/6-G-5,08 P26THR



Description

Test conditions, unless otherwise noted:
Vi_nom = 12VDC and full load, Ta = 25°C
all measurements without external components

	Parameter
Input voltage range	7.0...75 VDC
Vout/Iout	12 VDC/ 5 ADC
Input startup voltage	8.8 VDC
Undervoltage lockout	6.3 VDC
Initial switch-on time	40 ms
Input surge voltage	78VDC...86VDC
No-load input current	50 mA
Input current in shutdown condition	0.72 mA
Input ripple (BW=20MHz)	15 mVAC
Input noise (BW=20MHz)	40 mVAC
Switching frequency	142 kHz
Output voltage accuracy	±2% max
Output ripple (BW=20MHz)	20 mVAC
Output noise (BW=20MHz)	60 mVAC
Max. admissible capacitive load at FL	"infinite" µF
No-load output voltage increase	4%
Electric strength test voltage (I/O)	500 VDC
Efficiency at half/full load	92.5/89.5%
Ambient temperature range	-40...+85°C
Storage temperature range	-40...+105°C
Max. case temperature for shut down	+95°C

Designed to meet:
EN55022<A, EN50155, EN61000-6-4, EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5

Pin No.	Function	Electrical Determination
1	C	Case
2	Vi+	Input voltage positive
3	Vi-	Input voltage negative
4	SD	Shut down
5	Vo-	Output voltage negative
6	Vo+	Output voltage positive

- connect SD to Vi- to disable transformer
- for passive loads only

Date: 16.07.2014

All technical and general information is provided in all conscience. However, completeness and accuracy cannot be guaranteed. Demke recommends to fully test the product in its determined application. Due to permanent improvements to our products, we reserve the right to change specifications at any time and without prior notification and without obligation to update products already supplied.