HALOTRONIC-COMPACT – HTM, HTN

Electronic transformers for low-voltage halogen lamps



Areas of application

- Effect and accent lighting
- Living rooms
- Object lighting
- Conference rooms
- Restaurants
- Recessed and surface-mounted furniture luminaires
- Shop lighting
- Event rooms

Product family benefits

- Very low power loss thanks to high efficacy
- Strain relief suitable for different cable types (HTM)
- Suitable for space-critical installation thanks to compact functional design
- Extremely compact transformer for highly space-critical installation conditions (HTN)
- Protective operation throughout the entire partial-load range for long lamp life

Product family features

- Line frequency: 50...60 Hz
- RI suppression: to EN 55015 (A1: 2007)/CISPR 15, EN 55022
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Safety: to EN 61347
- Short-circuit protection, overload protection, overtemperature protection: electronically reversible
- Electrical isolation between the primary side and the secondary side
- Dimmable on the leading edge (without HTN) and trailing edge

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Technical data

Electrical data

Product description	Lamp wattage	Maximum output power	Line current	Nominal voltage	Operating frequency
HTM 70/230…240	20…70 W	70 W	0.27 A [1]	230…240 V	52 kHz [2]
HTM 105/230…240	35…105 W	105 W	0.41 A [1]	230…240 V	43 kHz [2]
HTM 150/230…240	50…150 W	150 W	0.57 A [1]	230…240 V	40 kHz [2]
HTN 75/230…240 I	20…75 W	75 W	0.32 A [1]	230…240 V	50 kHz [2]

Product description	Nominal output voltage	Efficiency in full-load
HTM 70/230…240	11.2 / 11.2 V [3]	95 %
HTM 105/230…240	11.3 / 11.4 V [4]	95 %
HTM 150/230…240	11.4 / 11.5 V [5]	95 %
HTN 75/230…240 I	11.5 / 11.7 V [6]	95 %

[1] Effectively

[2] Approximately

[3] 70 W / 20 W

[4] 105 W / 35 W

[5] 150 W / 50 W

[6] 75 W / 20 W

Dimensions & weight

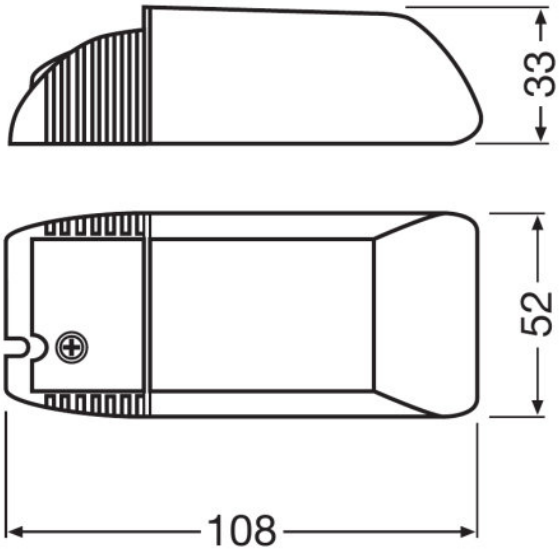
Product description	Length	Width	Mounting hole spacing, length	Height	Mounting hole spacing, width	Cable cross-section, input side
HTM 70/230…240	108.0 mm	52.0 mm	-	33.0 mm	-	2.5 mm²
HTM 105/230…240	108.0 mm	52.0 mm	-	33.0 mm	-	2.5 mm²
HTM 150/230…240	153.0 mm	54.0 mm	146.0 mm	36.0 mm	15.0 mm	1.5 mm²
HTN 75/230…240 I	104.0 mm	33.0 mm	98.0 mm	22.0 mm	-	1.5 mm²

Product description	Cable cross-section, output side	Wire preparation length, input side	Wire preparation length, output side	Product weight
HTM 70/230…240	2.5 mm²	12 / 7.0 mm [1]	12 / 7.0 mm [1]	110.00 g
HTM 105/230…240	2.5 mm²	12 / 7.0 mm [1]	12 / 7.0 mm [1]	125.00 g
HTM 150/230…240	2.5 mm²	12 / 8.0 mm [1]	12 / 8.0 mm [1]	185.00 g
HTN 75/230…240 I	1.5 mm²	10 / 6.0 mm [1]	10 / 6.0 mm [1]	68.00 g

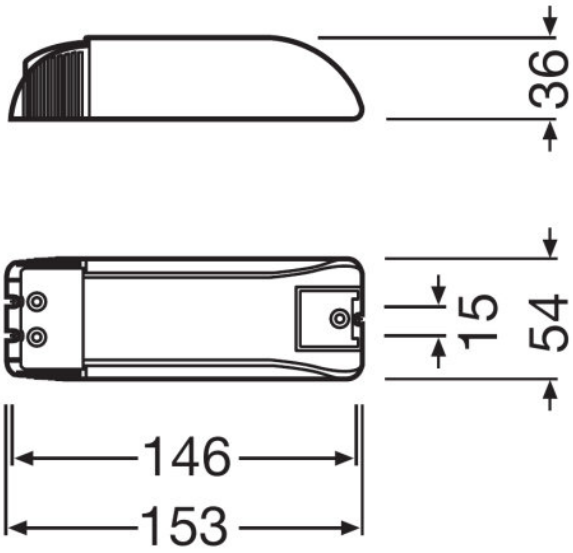
[1] Cable sheath / Wire

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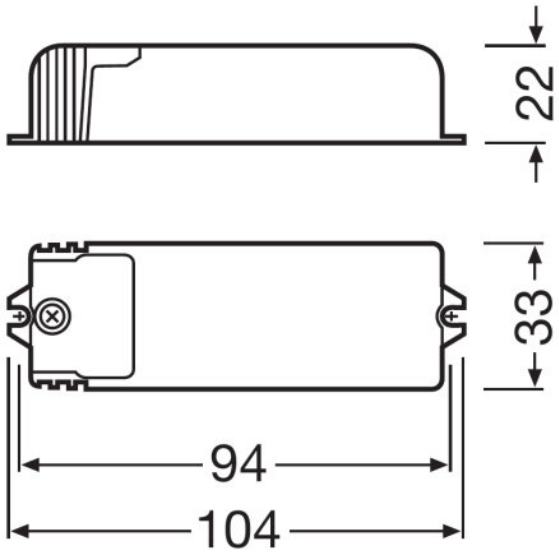
Product line drawing



HTM 70/230…240, HTM 105/230…240



HTM 150/230…240



HTN 75/230…240 I

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Temperatures & operating conditions

Product description	Ambient temperature range
HTM 70/230…240	0…+50 °C
HTM 105/230…240	0…+45 °C
HTM 150/230…240	0…+45 °C
HTN 75/230…240 I	0…+50 °C

Capabilities

Product description	Dimming method
HTM 70/230…240	Trailing- or leading-edge phase control for inductive load dimmers
HTM 105/230…240	Trailing- or leading-edge phase control for inductive load dimmers
HTM 150/230…240	Trailing- or leading-edge phase control for inductive load dimmers
HTN 75/230…240 I	Trailing-edge phase control

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Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
HTM 70/230…240	VDE / VDE-EMC / E1 approval / EAC	Acc. to DIN VDE 0875/CISPR 15/EN 55015/Acc. to EN 61547/EN 61047/Acc. to IEC 61000-3-2/EN 61000-3-2/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to IEC 61347/Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20
HTM 105/230…240	VDE / VDE-EMC / E1 approval / EAC	Acc. to DIN VDE 0875/CISPR 15/EN 55015/Acc. to EN 61547/EN 61047/Acc. to IEC 61000-3-2/EN 61000-3-2/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to IEC 61347/Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20
HTM 150/230…240	VDE / VDE-EMC / E1 approval / EAC	Acc. to DIN VDE 0875/CISPR 15/EN 55015/Acc. to EN 61547/EN 61047/Acc. to IEC 61000-3-2/EN 61000-3-2/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to IEC 61347/Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20
HTN 75/230…240 I	VDE / VDE-EMC / E1 approval / EAC	Acc. to DIN VDE 0875/CISPR 15/EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20

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Logistical data

Product description	Commodity code
HTM 70/230...240	85044095900
HTM 105/230...240	85044095900
HTM 150/230...240	85044095900
HTN 75/230...240 I	85044095900

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
HTM 70/230...240	12-06-2023	4050300442310	Lead
HTM 105/230...240	12-06-2023	4050300442334	Lead
HTM 150/230...240	12-06-2023	4050300581415	Lead
HTN 75/230...240 I	12-06-2023	4008321073037	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
HTM 70/230...240	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	cc0c3a78-fe96-4e5d-adb2-9ec3e31d1277
HTM 105/230...240	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	5a1ac572-5e29-4ad6-a17c-b53d903d0768
HTM 150/230...240	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	7589d598-cf7d-413d-b8c8-365e5cd31a45
HTN 75/230...240 I	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	96e27601-57d2-4e78-a3ec-ef0d24b7f011

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Country specific information

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Product family datasheet

Product description	Product code	METEL code	SEG-No.	STK number	UK Org
HTM 70/230...240	4050300442310	OSRHTM70	-	4031017	-
HTM 70/230...240	4050300442310	OSRHTM70	-	4031017	-
HTM 105/230...240	4050300442334	OSRHTM105	-	4031020	-
HTM 105/230...240	4050300442334	OSRHTM105	-	4031020	-
HTM 150/230...240	4050300581415	OSRHTM150	-	4031030	-
HTM 150/230...240	4050300581415	OSRHTM150	-	4031030	-
HTN 75/230...240 I	4008321073037	OSRHTN75I	-	4030201	-
HTN 75/230...240 I	4008321073037	OSRHTN75I	-	4030201	-

Download Data

	File
	User instruction HALOTRONIC HTM HTN HTL
	User instruction HTLHTMHTN UI 080518
	Certificates 504178_EAC HT family
	Certificates HTL HTM HTI DALI VDE ENEC 40024665 070923
	Certificates HALOTRONIC EMC 134590 280722
	Declarations of conformity HALOTRONIC ET PARROT CE 3674444 150222
	Installation/Operation notice 334738_HALOTRONIC – Manual
	CAD data 3-dim 313437_108x52x33 9900021
	CAD data 3-dim 313457_108x52x33 9900021
	CAD data 3-dim 313479_108x52x33 9900021
	CAD data PDF 313411_108x52x33 9900021
	Product Datasheet 321697_ATI - HTM 105230-240 (G+GB)
	Addon Technical Information 321703_ATI HTM 150230-240 (GB)
	CAD data 3-dim 320673_HTM 150

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	CAD data 3-dim 320679_HTM 150
	Addon Technical Information 321701_ATI HTN 75230-240 I (GB)
	CAD data 3-dim 313425_98(104)x33x22 9900005
	CAD data 3-dim 313427_98(104)x33x22 9900005
	CAD data 3-dim 313504_98(104)x33x22 9900005
	CAD data PDF 313417_98(104)x33x22 9900005

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300442310	HTM 70/230…240	Shipping carton box 20	270 mm x 229 mm x 94 mm	5.81 dm^3	2377.00 g
4050300442334	HTM 105/230…240	Shipping carton box 20	270 mm x 229 mm x 94 mm	5.81 dm^3	2677.00 g
4050300581415	HTM 150/230…240	Shipping carton box 10	276 mm x 166 mm x 98 mm	4.49 dm^3	1825.00 g
4008321073037	HTN 75/230…240 I	Shipping carton box 20	235 mm x 179 mm x 68 mm	2.86 dm^3	1478.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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