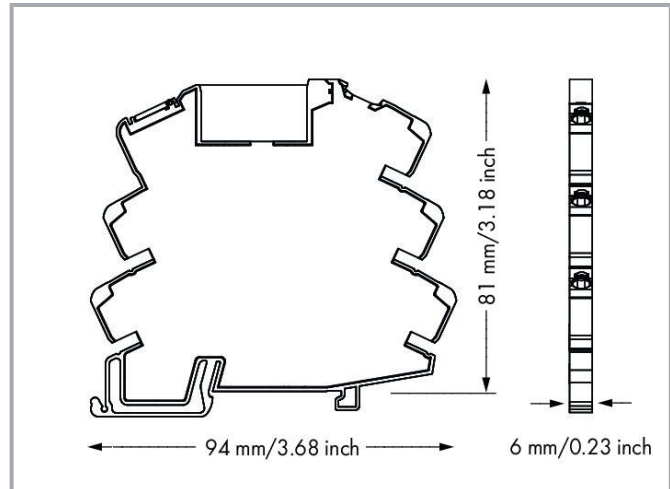
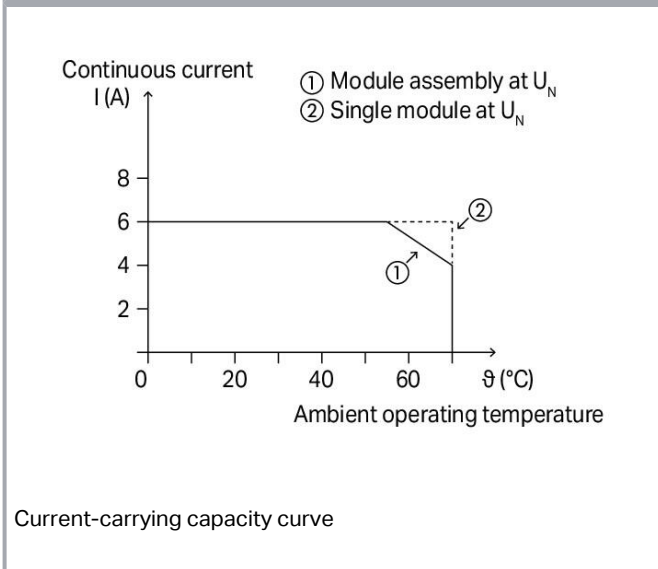
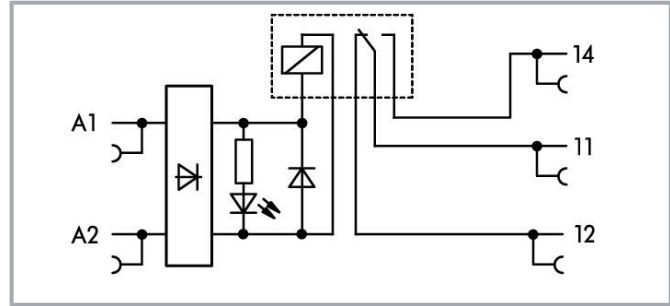
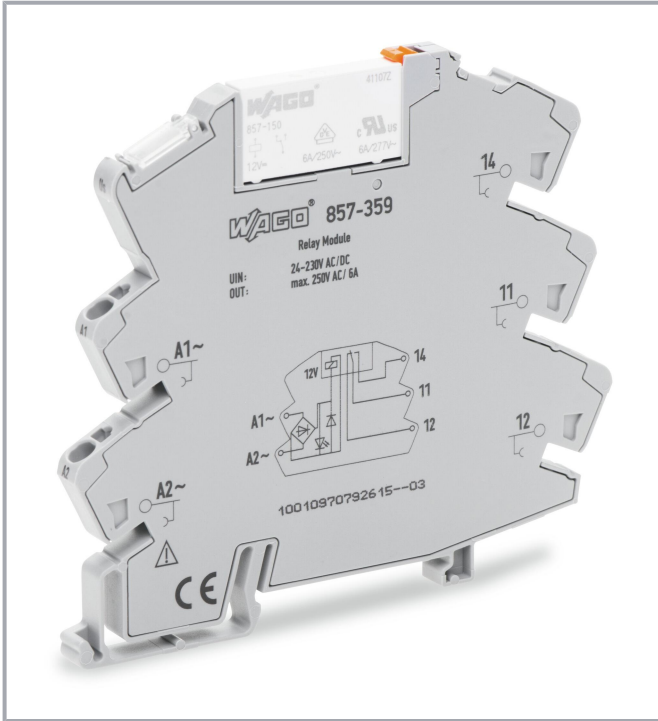


Data sheet | Item number: 857-359

Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 1 changeover contact; Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm



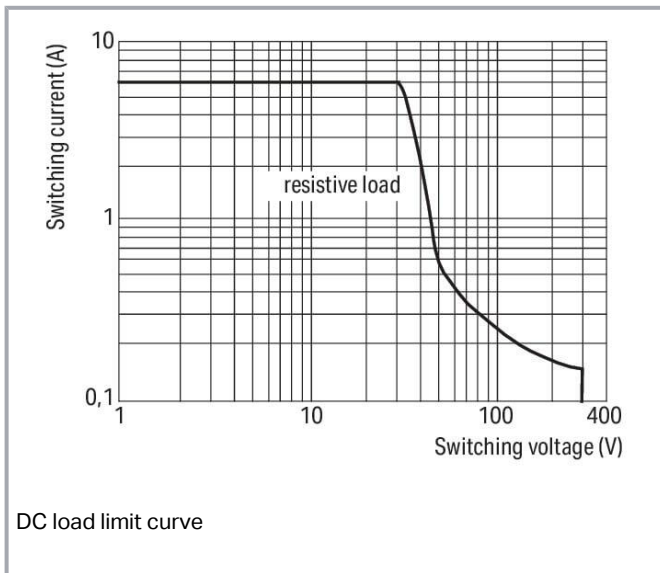
www.wago.com/857-359



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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data

Notes

Safety information

Adjacent devices are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.

Note

To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Technical data

Control Circuit

Nominal input voltage U_N	AC/DC 24 ... 230 V
Input voltage range	-30 ... +10 %
Nominal input current at U_N	4 mA (230 VAC); 20 mA (24 VDC)
Nominal frequency range (input voltage)	50 ... 60 HzAC / 0 HzDC

Load circuit

Number of changeover/switchover contacts	1
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Subject to changes. Please also observe the further product documentation!



Contact material (relay)	AgSnO ₂
Limiting continuous current	6 A
Inrush current (resistive) max.	(AC) 20 A / 0.02 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)
Switching capacity	AC-15: 3 A / AC 250 V; DC-13: 2 A / DC 24 V
Recommended minimum load	10 V / 10 mA; 24 V / 1 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	25 ms
Bounce time (typ.)	3.5 ms
Electrical life (NO; resistive load; 23 °C)	50 x 10 ³ switching operations
Mechanical life	5 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	6 min ⁻¹ / 60 min ⁻¹

Signaling

Status indicator	Yellow LED
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Safety and protection

Rated voltage	300 V
Rated surge voltage	4 kV
Type of circuits	Mains circuits
Overvoltage category	III
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	3.51 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Insulation type (control/load circuit)	Reinforced insulation (safe isolation)
Insulation type (between adjacent devices of the same type)	Double insulation (safe isolation)
Insulation type (to adjacent devices of different types)	Basic insulation
Safety information	Adjacent devices are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.
Protection type	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
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Subject to changes. Please also observe the further product documentation!



Solid conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data

Width	6 mm / 0.236 inches
Height	94 mm / 3.701 inches
Depth from upper-edge of DIN-rail	81 mm / 3.189 inches

Mechanical data

Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical

Material Data

Fire load	0.552 MJ
Weight	30.9 g

Environmental requirements

Ambient temperature (operation at U _N)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 30 K)
Relative humidity	5 ... 85 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications

Standards/specifications	EN 50121-3-2 EN 61010-2-201 EN 61810-1 EN 61373 EN 61000-6-2 EN 61000-6-3 EN 50121-3 UL 508
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Subject to changes. Please also observe the further product documentation!



Basic relay

WAGO Basic Relay	857-150
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Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 8.0	EC001437
ETIM 7.0	EC001437
PU (SPU)	25 (1) pcs
Packaging type	box
Country of origin	DE
GTIN	4050821856689
Customs tariff number	85364900990

Environmental Product Compliance

CAS-No.	11120-22-2 7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead Lead silicate
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	c746b87b-7205-4193-8ae9-afdb630b5b0b
SCIP notification number (Belgium)	4f5c3ad1-a759-4bf4-b6bc-112a99477a51
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SCIP notification number (Hungary)	cf4d20de-b4bb-4d61-b6a6-52df42c7b1b1
SCIP notification number (Italy)	ffc504e0-f3b5-41c0-947d-9ef70eb5ef9b

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SCIP notification number (Netherlands)	d54f068c-8deb-41e9-aa63-fed8a71688c6
SCIP notification number (Poland)	fa873b15-34f0-4f97-ba46-1166403ee6f7
SCIP notification number (Romania)	9a53b66f-5c41-47e1-b43b-05a57067c5b2
SCIP notification number (Sweden)	a0541383-e6b6-4a69-a64a-0adb16e391b7

Approvals / Certificates

General approvals


Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19

Declarations of conformity and manufacturer's declarations




Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Tool

Operating tool		
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

Jumpers

Jumper		
	Item no.: 859-408 Jumper; for jumper slot; 8-way; insulated; light gray	www.wago.com/859-408
	Item no.: 281-482 Jumper; 2-way; insulated; gray	www.wago.com/281-482
	Item no.: 859-404/000-005 Jumper; for jumper slot; 4-way; insulated; red	www.wago.com/859-404/000-005

Subject to changes. Please also observe the further product documentation!



Item no.: 859-404/000-006
Jumper; for jumper slot; 4-way; insulated; blue

www.wago.com/859-404/000-006



Item no.: 859-405/000-005
Jumper; for jumper slot; 5-way; insulated; red

www.wago.com/859-405/000-005



Item no.: 859-405/000-029
Jumper; for jumper slot; 5-way; insulated; yellow

www.wago.com/859-405/000-029



Item no.: 859-405
Jumper; for jumper slot; 5-way; insulated; light gray

www.wago.com/859-405



Item no.: 859-404/000-029
Jumper; for jumper slot; 4-way; insulated; yellow

www.wago.com/859-404/000-029



Item no.: 859-406
Jumper; for jumper slot; 6-way; insulated; light gray

www.wago.com/859-406



Item no.: 859-405/000-006
Jumper; for jumper slot; 5-way; insulated; blue

www.wago.com/859-405/000-006



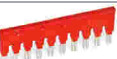
Item no.: 859-406/000-005
Jumper; for jumper slot; 6-way; insulated; red

www.wago.com/859-406/000-005



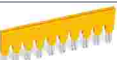
Item no.: 859-409/000-029
Jumper; for jumper slot; 9-way; insulated; yellow

www.wago.com/859-409/000-029



Item no.: 859-410/000-005
Jumper; for jumper slot; 10-way; insulated; red

www.wago.com/859-410/000-005



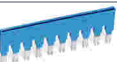
Item no.: 859-410/000-029
Jumper; for jumper slot; 10-way; insulated; yellow

www.wago.com/859-410/000-029



Item no.: 859-410
Jumper; for jumper slot; 10-way; insulated; light gray

www.wago.com/859-410
















Item no.: 859-410/000-006
Jumper; for jumper slot; 10-way; insulated; blue













www.wago.com/859-410/000-006



Subject to changes. Please also observe the further product documentation!











	<p>Item no.: 859-403/000-005 Jumper; for jumper slot; 3-way; insulated; red</p>	<p>www.wago.com/859-403/000-005</p>
	<p>Item no.: 859-402/000-029 Jumper; for jumper slot; 2-way; insulated; yellow</p>	<p>www.wago.com/859-402/000-029</p>
	<p>Item no.: 859-403/000-029 Jumper; for jumper slot; 3-way; insulated; yellow</p>	<p>www.wago.com/859-403/000-029</p>
	<p>Item no.: 859-403/000-006 Jumper; for jumper slot; 3-way; insulated; blue</p>	<p>www.wago.com/859-403/000-006</p>
	<p>Item no.: 859-408/000-005 Jumper; for jumper slot; 8-way; insulated; red</p>	<p>www.wago.com/859-408/000-005</p>
	<p>Item no.: 859-408/000-029 Jumper; for jumper slot; 8-way; insulated; yellow</p>	<p>www.wago.com/859-408/000-029</p>
	<p>Item no.: 859-409 Jumper; for jumper slot; 9-way; insulated; light gray</p>	<p>www.wago.com/859-409</p>
	<p>Item no.: 859-408/000-006 Jumper; for jumper slot; 8-way; insulated; blue</p>	<p>www.wago.com/859-408/000-006</p>
	<p>Item no.: 859-403 Jumper; for jumper slot; 3-way; insulated; light gray</p>	<p>www.wago.com/859-403</p>
	<p>Item no.: 859-409/000-005 Jumper; for jumper slot; 9-way; insulated; red</p>	<p>www.wago.com/859-409/000-005</p>
	<p>Item no.: 859-404 Jumper; for jumper slot; 4-way; insulated; light gray</p>	<p>www.wago.com/859-404</p>
	<p>Item no.: 859-409/000-006 Jumper; for jumper slot; 9-way; insulated; blue</p>	<p>www.wago.com/859-409/000-006</p>
	<p>Item no.: 859-402/000-006 Jumper; for jumper slot; 2-way; insulated; blue</p>	<p>www.wago.com/859-402/000-006</p>
	<p>Item no.: 859-402 Jumper; for jumper slot; 2-way; insulated; light gray</p>	<p>www.wago.com/859-402</p>

Subject to changes. Please also observe the further product documentation!

	Item no.: 859-402/000-005 Jumper; for jumper slot; 2-way; insulated; red	www.wago.com/859-402/000-005
	Item no.: 859-406/000-006 Jumper; for jumper slot; 6-way; insulated; blue	www.wago.com/859-406/000-006
	Item no.: 859-406/000-029 Jumper; for jumper slot; 6-way; insulated; signal yellow	www.wago.com/859-406/000-029
	Item no.: 859-407/000-006 Jumper; for jumper slot; 7-way; insulated; blue	www.wago.com/859-407/000-006
	Item no.: 859-407/000-005 Jumper; for jumper slot; 7-way; insulated; red	www.wago.com/859-407/000-005
	Item no.: 859-407/000-029 Jumper; for jumper slot; 7-way; insulated; yellow	www.wago.com/859-407/000-029
	Item no.: 859-407 Jumper; for jumper slot; 7-way; insulated; light gray	www.wago.com/859-407
Basic Relay		
Basic relay		
	Item no.: 857-150 Basic relay; Nominal input voltage: 12 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 5 mm; Module height: 15 mm	www.wago.com/857-150
Marking accessories		
Marking strip		
	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
Double marker carrier		
	Item no.: 209-128 Adaptor; gray	www.wago.com/209-128
Marking devices		
	Item no.: 210-110 Fiber-tip pen	www.wago.com/210-110
Protective marker cover		
	Item no.: 209-184 Protection cover; transparent	www.wago.com/209-184

Subject to changes. Please also observe the further product documentation!

Marker


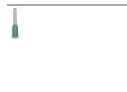

	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 209-183 Marker; white	www.wago.com/209-183
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-502
	Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-503
	Item no.: 793-504 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-504
	Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-505
	Item no.: 793-506 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-506
	Item no.: 793-566 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-566
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/793-5501

Group marker carrier

	Item no.: 249-105 Group marker carrier; gray	www.wago.com/249-105
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Ferrule

Ferrule

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped;	www.wago.com/216-243

Subject to changes. Please also observe the further product documentation!

acc. to DIN 46228, Part 4/09.90; red

**Item no.: 216-244**Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blackwww.wago.com/216-244**Downloads****Documentation****Bid Text**

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857-359 X81 - Datei	2019 Feb 19	xml 5.2 kB	Download
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Instruction Leaflet

Elektromechanical and Solid-State Relays/Optocouplers	V 2.0.0 2022 Feb 15	pdf 2.6 MB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data**CAD data**

2D/3D Models 857-359	URL	Download
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CAE data

EPLAN Data Portal 857-359	URL	Download
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ZUKEN Portal 857-359	URL	Download
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WSCAD Universe 857-359	URL	Download
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Environmental Product Compliance**Compliance Search**

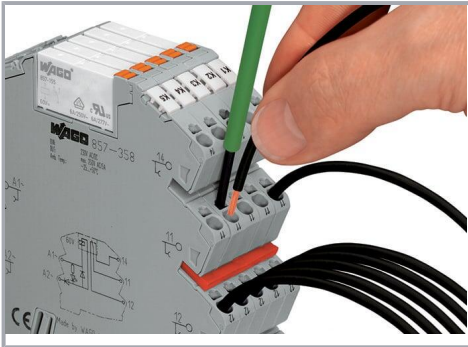
Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance 857-359

Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 1 changeover contact;
Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm

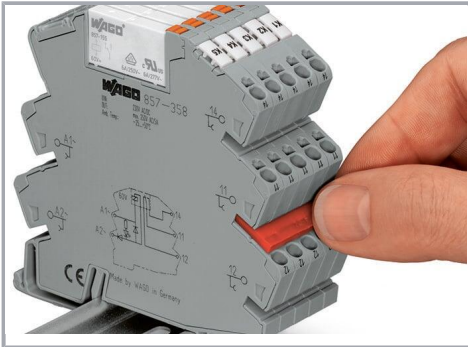
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking

Subject to changes. Please also observe the further product documentation!



Marking via WMB Multi Marking System.

Installation



Removing a relay via ejector.

Subject to changes. Please also observe the further product documentation!