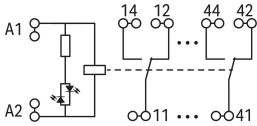
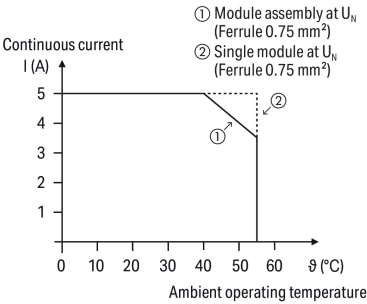
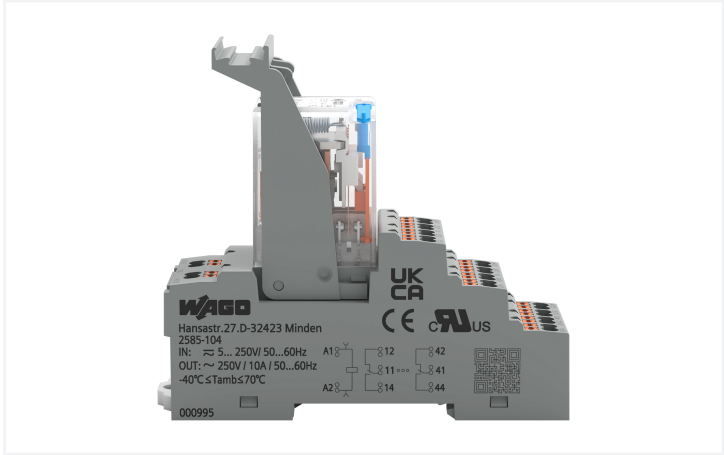
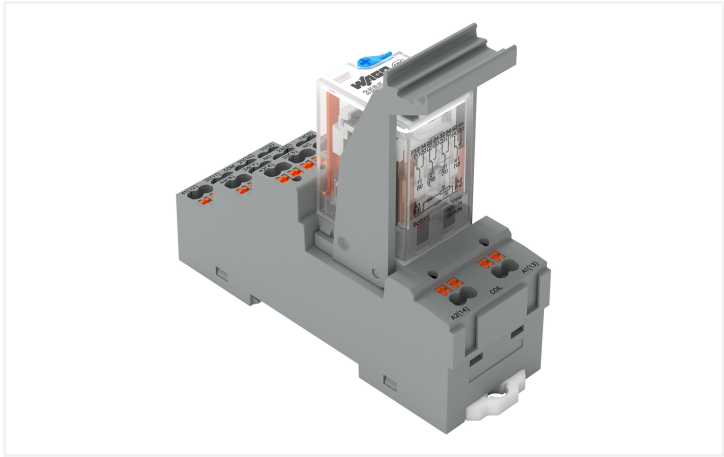
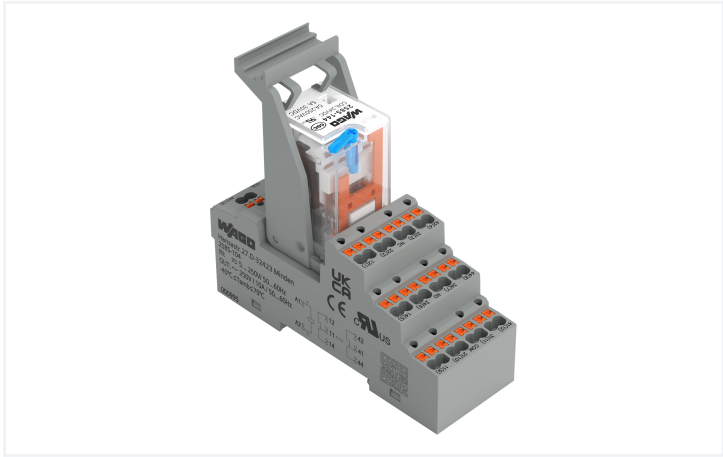


Data Sheet | Item Number: 2585-345

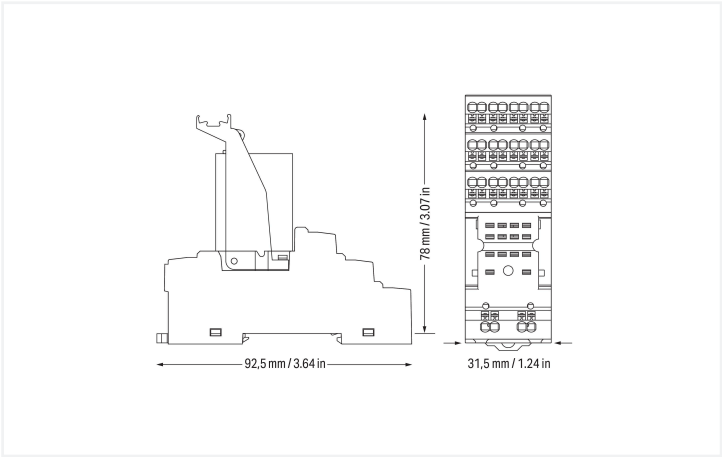
Relay module; Nominal input voltage: 48 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Set of relay socket and elementary relay; Yellow status indicator; Module width: 31 mm



<https://www.wago.com/2585-345>



Deratingkurve



This item includes:

		
Item No.: 858-110 1	Item No.: 2585-104 1	Item No.: 2585-145 1
Ejector; for basic relays 25 mm x 35 mm	Relay socket; 4 changeover contacts	Basic relay; Nominal input voltage: 48 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 21 mm; Module height: 35mm

Technical data

Control circuit		Load circuit	
Nominal input voltage U_N	48 VDC	Number of changeover/switchover contacts	4
Input voltage range	-20 ... +10 %	Contact material (relay)	AgSnO ₂
Nominal input current at U_N	21 mA	Limiting continuous current	5 A
		Switching Voltage, Max.	250 VAC; 30 VDC
		Switching power (resistive) max.	AC 1250 VA; DC 150 W
		Utilization category	AC-15: 1.5 A / 250 VAC DC-13: 1 A / 30 VDC
		Recommended minimum load	5 V / 100 mA
		Pull-in time (typ.)	25 ms
		Drop-out time (typ.)	25 ms
		Bounce time (typ.)	4 ms
		Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
		Mechanical life	10 x 10 ⁶ switching operations

Signaling	
Status indicator	Yellow LED Mechanical



Safety and protection		
Rated Voltage		300 V
Rated impulse withstand voltage		2.5 kV
Overvoltage category		II
Pollution degree		2
Dielectric strength (control/load circuit) (AC, 1 min)		2.5 kVrms
Dielectric strength (open contact) (AC, 1 min)		1.5 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)		1.5 kVrms
Insulation type (open contact)		Functional insulation
Insulation type (load/load circuit)		Basic insulation
Insulation type (adjacent devices)		Reinforced insulation (safe isolation)
Protection type		IP20

Connection Data		
Connection technology		Push-in
Solid conductor		0.25 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor		0.25 ... 2.5 mm ² / 22 ... 14 AWG
Strip length		10 ... 11 mm / 0.39 ... 0.43 inches
Note (conductor cross-section)		2 x 0.34 ... 2 x 1.5 mm ² / 1 x 2.5 mm ² / 2 x 22 ... 2 x 16 AWG

Physical data		
Width		31.5 mm / 1.24 inches
Height		92.5 mm / 3.64 inches
Depth from upper-edge of DIN-rail		78 mm / 3.07 inches

Mechanical data		
Mounting type		DIN-35 rail
Mounting position		horizontal (standing/lying); vertical

Material data		
Note (material data)		Information on material specifications can be found here
Weight		110 g

Environmental requirements		
Ambient temperature (operation at U _N)		-40 ... +55 °C
Ambient temperature (storage)		-40 ... +70 °C
Processing temperature		-25 ... +50 °C
Temperature range of connection cable		≥ (T _{ambient} + 25 K)
Relative humidity		20 ... 80 % (no condensation permissible)
Operating altitude (max.)		2000 m

Standards/specifications	EN 60947-5-1
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PU (SPU)	10 pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966758191
Customs tariff number	85364900990

UNSPSC	39122334
ETIM 9.0	EC001437
ETIM 10.0	EC001437
ECCN	NO US CLASSIFICATION

RoHS Compliance Status	Compliant, No Exemption
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Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Environmental Product Compliance

Environmental Product Compliance 2585-345

Instruction Leaflet			
WAGO Relaismodul	V 1.0.0 12.05.2025	pdf 800.51 KB	

CAD/CAE-Data

CAD data

2D/3D Models 2585-345

1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



Item No.: 2585-145
Basic relay; Nominal input voltage: 48 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 21 mm; Module height: 35mm

1.1.2 Ferrule

1.1.2.1 Ferrule



Item No.: 216-241
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

Item No.: 216-242
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-243
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; 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; black

1.1.3 Jumper

1.1.3.1 Jumper



Item No.: 2585-904
Jumper; 2-way; insulated

1.1.4 Marking

1.1.4.1 Marker



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

Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.4.2 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.5 Tool

1.1.5.1 Operating tool



Item No.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft