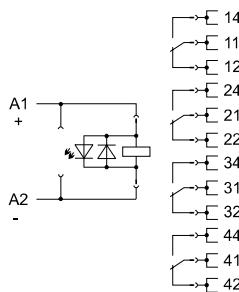
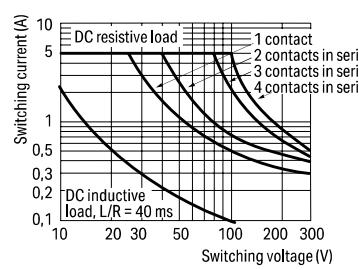
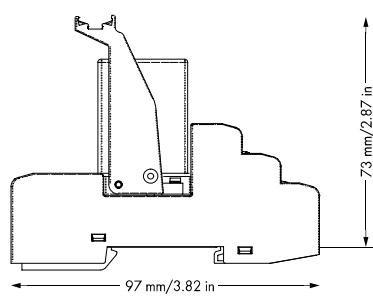


Relay module; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Red status indicator; Module width: 31 mm 858 Series

1



U_N	I_N	Item No.	PU
12 VDC	75 mA	858-303	5
24 VDC	37 mA	858-304	5
48 VDC	19 mA	858-305	5
110 VDC	10 mA	858-307	5
220 VDC	5 mA	858-308	5

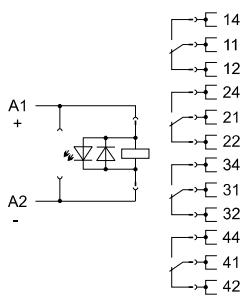


DC Load Limit Curve

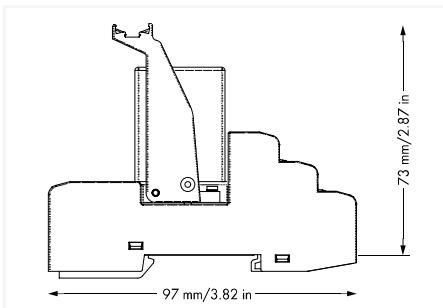
Control circuit	
Input voltage range	-20 ... +10 %
Load circuit	
Number of changeover/switchover contacts	4
Contact material (relay)	AgCe
Limiting continuous current	5 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 1250 VA; DC (see load limit curve)
Switching capacity	AC-15: 1 A / 240 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	12 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	20 x 10 ⁶ switching operations
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
Environmental requirements	
Ambient temperature (operation at U_N)	-25 ... +70 °C
Ambient temperature UL (operation at U_N)	-25 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508 (max. 50 °C)

Relay module; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Red status indicator; Module width: 31 mm 858 Series

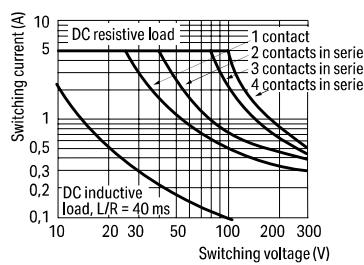
1



U _N	I _N	Item No.	PU
24 VDC	37 mA	858-314	5

**Note:**

To prevent damaging the gold layer, 30 VDC switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.

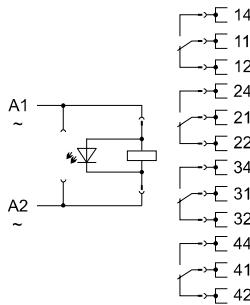


DC Load Limit Curve

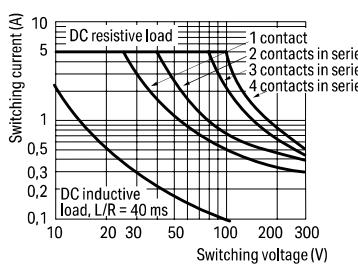
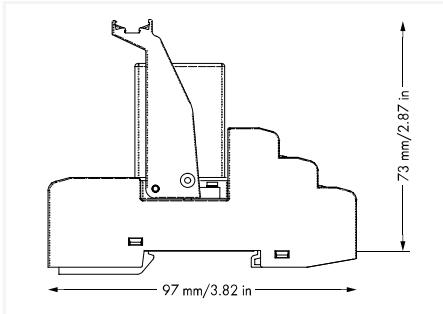
Control circuit	
Input voltage range	-20 ... +10 %
Load circuit	
Number of changeover/switchover contacts	4
Contact material (relay)	AgCe + Au
Limiting continuous current	5 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 1250 VA; DC (see load limit curve)
Switching capacity	AC-15: 1 A / 240 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	5 V / 1 mA / 50 mW
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	20 x 10 ⁶ switching operations
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
Environmental requirements	
Ambient temperature (operation at U _N)	-25 ... +70 °C
Ambient temperature UL (operation at U _N)	-25 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508 (max. 50 °C); DNV

Relay module; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Red status indicator; Module width: 31 mm 858 Series

1



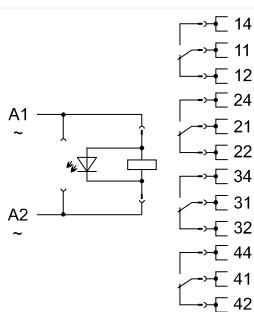
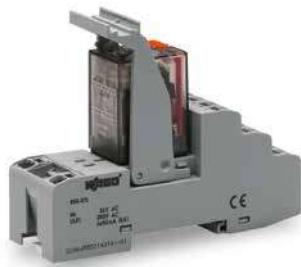
U_N	I_N	Item No.	PU
24 VAC	50 mA	858-504	5
115 VAC	10 mA	858-507	5
230 VAC	9 mA	858-508	5



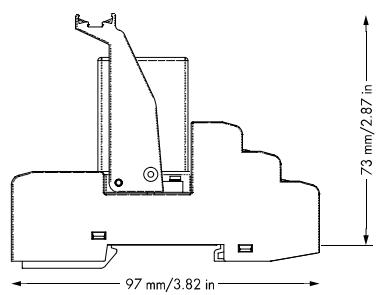
DC Load Limit Curve

Control circuit	
Input voltage range	-20 ... +10 %
Load circuit	
Number of changeover/switchover contacts	4
Contact material (relay)	AgCe
Limiting continuous current	5 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 1250 VA; DC (see load limit curve)
Switching capacity	AC-15: 1 A / 240 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	12 V / 100 mA
Pull-in time (typ.)	25 ms
Drop-out time (typ.)	35 ms
Bounce time (typ.)	4 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life	20 x 10 ⁶ switching operations
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
Environmental requirements	
Ambient temperature (operation at U_N)	-25 ... +70 °C
Ambient temperature UL (operation at U_N)	-25 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508 (max. 50 °C)

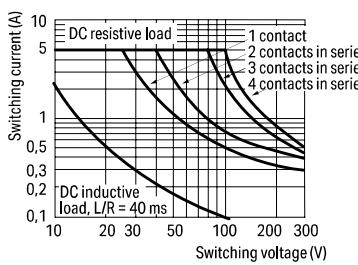
Relay module; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Red status indicator; Module width: 31 mm 858 Series



U_N	I_N	Item No.	PU
24 VAC	50 mA	858-514	5
115 VAC	10 mA	858-517	5
230 VAC	9 mA	858-518	5

**Note:**

To prevent damaging the gold layer, 30 VDC switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.

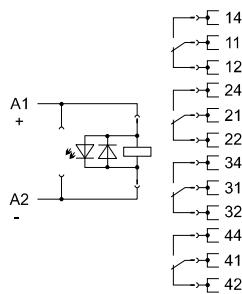


DC Load Limit Curve

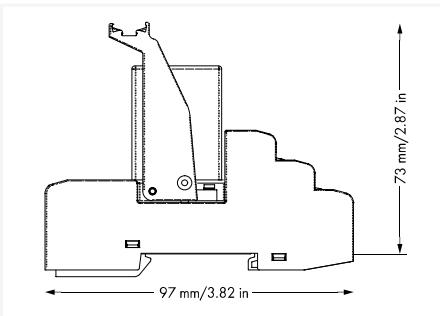
Control circuit	
Input voltage range	-20 ... +10 %
Load circuit	
Number of changeover/switchover contacts	4
Contact material (relay)	AgCe + Au
Limiting continuous current	5 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 1250 VA; DC (see load limit curve)
Switching capacity	AC-15: 1 A / 240 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	5 V / 1 mA / 50 mW
Pull-in time (typ.)	25 ms
Drop-out time (typ.)	35 ms
Bounce time (typ.)	4 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life	20 x 10 ⁶ switching operations
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
Environmental requirements	
Ambient temperature (operation at U _N)	-25 ... +70 °C
Ambient temperature UL (operation at U _N)	-25 ... 50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508 (max. 50 °C)

Relay module; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Railway; Red status indicator; Module width: 31 mm 858 Series

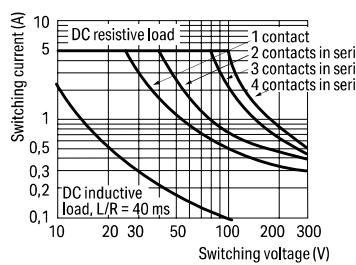
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U_n	I_n	Item No.	PU
24 VDC	42 mA	858-354	5

**Note:**

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

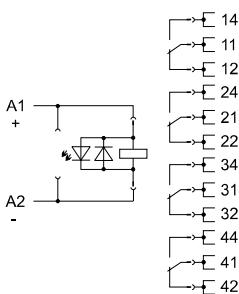


DC Load Limit Curve

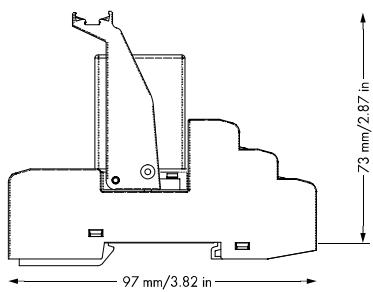
Control circuit	
Input voltage range	-30 ... +25 %
Load circuit	
Number of changeover/switchover contacts	4
Contact material (relay)	AgCe
Limiting continuous current	5 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 1000 VA; DC (see load limit curve)
Switching capacity	AC-15: 1 A / 240 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	12 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	20 x 10 ⁶ switching operations
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
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} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508

**Relay module; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts;
with manual operation; Railway; Red status indicator; Module width: 31 mm
858 Series**

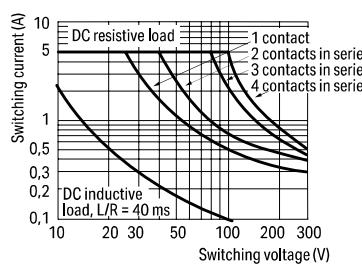
1



U _N	I _N	Item No.	PU
24 VDC	42 mA	858-355	5

**Note:**

To prevent damaging the gold layer, 30 VDC switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.



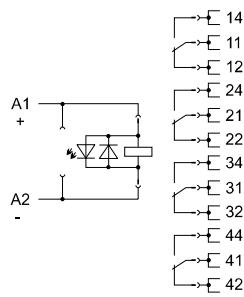
DC Load Limit Curve

Control circuit	
Input voltage range	-30 ... +25 %
Load circuit	
Number of changeover/switchover contacts	4
Contact material (relay)	AgCe + Au
Limiting continuous current	5 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 1000 VA; DC (see load limit curve)
Switching capacity	AC-15: 1 A / 240 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	5 V / 1 mA / 50 mW
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	20 x 10 ⁶ switching operations
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
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} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508

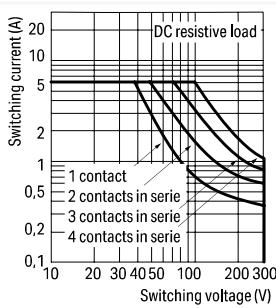
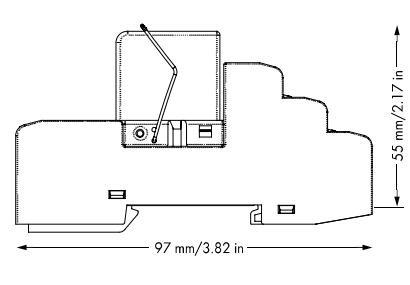
Relay module; 4 changeover contacts; Limiting continuous current: 6 A; with manual operation; Red status indicator; Module width: 31 mm

858 Series

1



U_N	I_N	Item No.	PU
24 VDC	32 mA	858-390	5
110 VDC	8 mA	858-392	5
220 VDC	5 mA	858-391	5

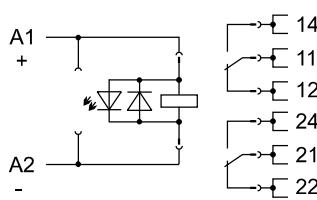


DC Load Limit Curve

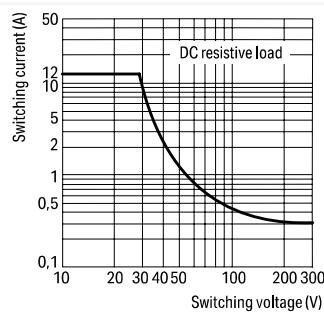
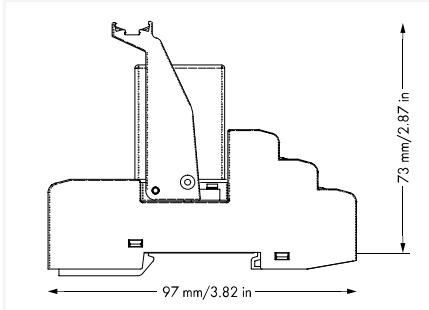
Control circuit	
Input voltage range	-10 ... +30 %
Load circuit	
Number of changeover/switchover contacts	4
Contact material (relay)	AgNi 90/10
Limiting continuous current	6 A
Inrush current (resistive) max.	(AC) 12 A / 0.02 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	18 ms
Bounce time (typ.)	8 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life	30 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	6 min ⁻¹ / 60 min ⁻¹
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1.2 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	2 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
Environmental requirements	
Ambient temperature (operation at U_N)	-40 ... +70 °C
Ambient temperature UL (operation at U_N)	-40 ... +50 °C
Ambient temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508 (max. 50 °C)

Relay module; 2 changeover contacts; Limiting continuous current: 12 A; with manual operation; Red status indicator; Module width: 31 mm 858 Series

1



U_n	I_n	Item No.	PU
24 VDC	38 mA	858-324	5
48 VDC	19 mA	858-325	5
220 VDC	5 mA	858-328	5

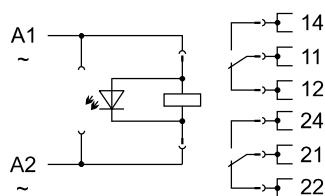
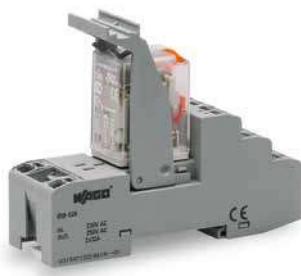


DC Load Limit Curve

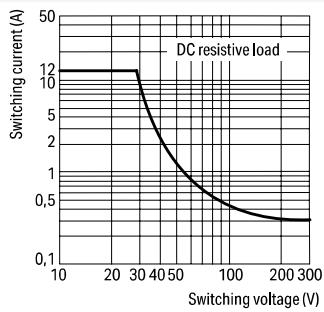
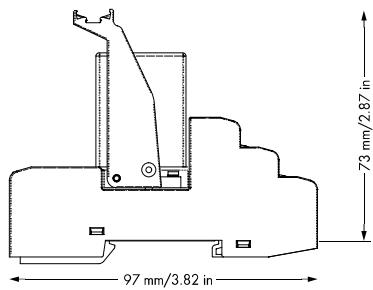
Control circuit	
Input voltage range	-20 ... +10 %
Load circuit	
Number of changeover/switchover contacts	2
Contact material (relay)	AgNi
Limiting continuous current	12 A
Inrush current (resistive) max.	(AC) 24 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 3000 VA; DC (see load limit curve)
Switching capacity	AC-15: 1.5 A / 240 VAC; DC-13: 0.1 A / DC 250 V
Recommended minimum load	10 V / 5 mA / 300 mW
Pull-in time (typ.)	13 ms
Drop-out time (typ.)	3 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life	20 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	20 min ⁻¹ /200 min ⁻¹
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	2.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
Environmental requirements	
Ambient temperature (operation at U_n)	-40 ... +55 °C
Ambient temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; UL 508

Relay module; 2 changeover contacts; with manual operation; Red status indicator; Module width: 31 mm 858 Series

1



U _n	I _n	Item No.	PU
230 VAC	11 mA	858-528	5



DC Load Limit Curve

Control circuit	
Input voltage range	-20 ... +10 %
Load circuit	
Number of changeover/switchover contacts	2
Contact material (relay)	AgNi
Limiting continuous current	12 A
Inrush current (resistive) max.	(AC) 24 A / 4 s
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	AC 3000 VA; DC (see load limit curve)
Switching capacity	AC-15: 1.5 A / 240 VAC; DC-13: 0.1 A / DC 250 V
Recommended minimum load	10 V / 5 mA / 300 mW
Pull-in time (typ.)	10 ms
Drop-out time (typ.)	8 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life	20 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	20 min ⁻¹ / 200 min ⁻¹
Signaling	
Status indicator	Red LED; Mechanical
Safety and protection	
Rated voltage	300 V
Rated surge voltage	2.5 kV
Oversupply category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kV _{rms}
Dielectric strength (open contact) (AC, 1 min)	1.5 kV _{rms}
Dielectric strength (load/load circuit) (AC, 1 min)	2.5 kV _{rms}
Insulation type (control/load circuit)	Basic insulation
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 CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 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/Mechanical data	
Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches
Mounting type	DIN-35 rail
Mounting position	Horizontal (standing/lying); vertical
Environmental requirements	
Ambient temperature (operation at U _n)	-40 ... +55 °C
Ambient temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m
Standards and specifications	
Standards/specifications	EN 61010-2-201; EN 61810-1; UL 508