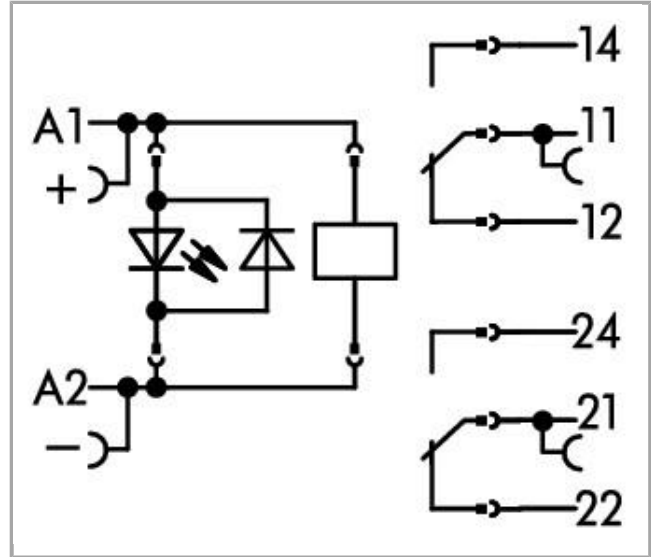
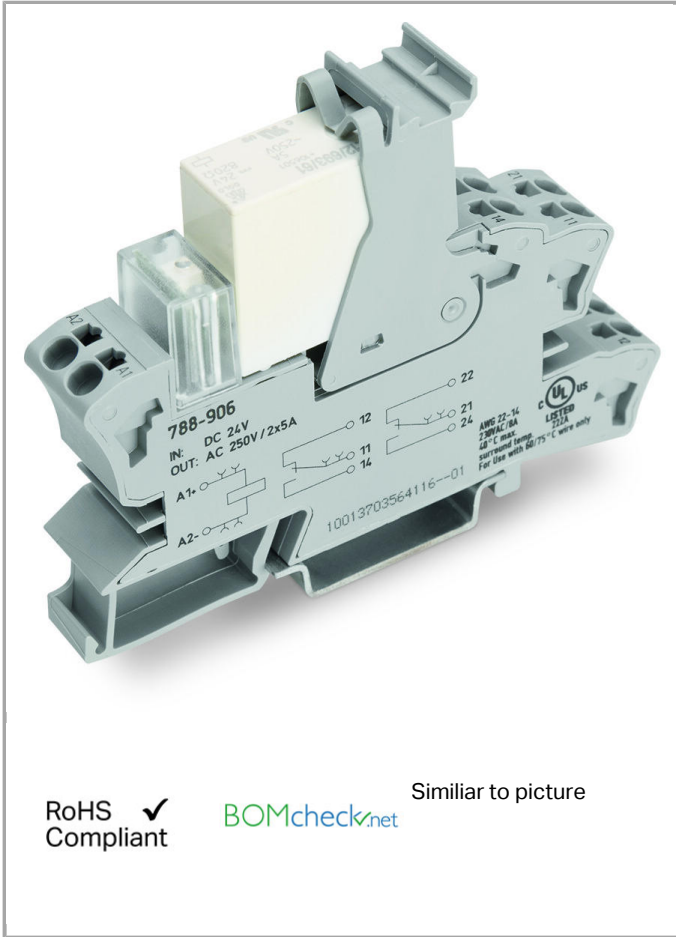


Data sheet | Item number: 788-906

Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts;
Limiting continuous current: 8 A; Green status indicator; Module width: 15 mm



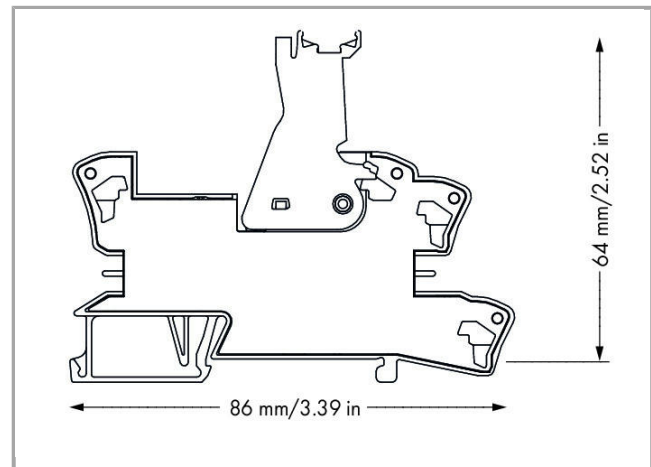
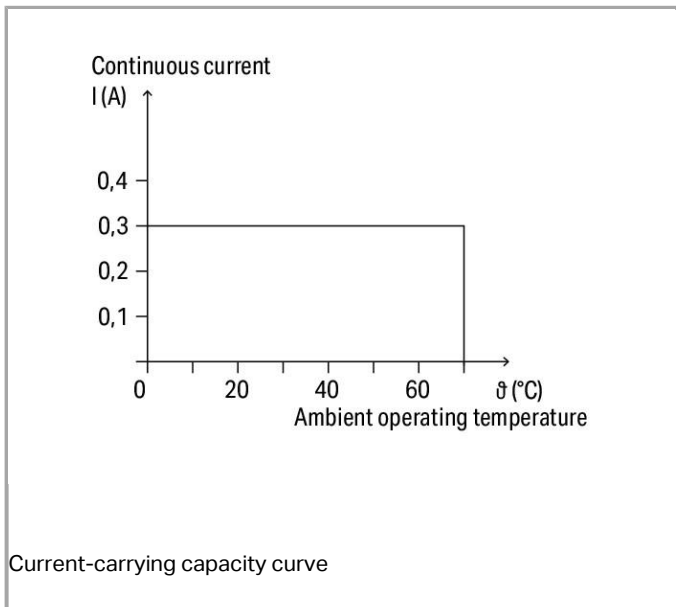
788-906



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Similar to picture



Item description

Note:

- Reinforced insulation between coil and contacts
- A separator plate (e.g., 209-191) must be used for voltages greater than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.
- To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Data

Technical Data

Control circuit

| | |
|--------------------------------|---------------|
| Nominal input voltage U_N | DC 24 V |
| Input voltage range | -15 ... +10 % |
| Nominal input current at U_N | 30 mA |

Load circuit:

| | |
|------------------------------------------|---------------------|
| Number of changeover/switchover contacts | 2 |
| Contact material (relay) | AgNi + Au |
| Limiting continuous current | 0.3 A |
| Max. switching voltage | AC 60 V |
| Max. switching power (resistive) | AC 18 VA |
| Recommended minimum load | 0.1 V / 1 mA / 1 mW |
| Min. switching current | 0 μ A |

| | |
|-----------------------------------------------|---------------------------------------------|
| Pull-in time (typ.) | 15 ms |
| Drop-out time (typ.) | 12 ms |
| Drop-out time | $\leq 0 \mu\text{s}$ |
| Electrical life (N.O.; resistive load; 23 °C) | 200×10^3 switching operations |
| Mechanical life (N.O.; resistive load; 23 °C) | 50×10^6 switching operations |
| Max. switching load with load/without load | $6 \text{ min}^{-1} / 600 \text{ min}^{-1}$ |

Signaling

| | |
|-------------------|-----------|
| Status indication | LED green |
|-------------------|-----------|

Safety and protection:

| | |
|-------------------------------------------------------|-----------|
| Rated voltage | 250 V |
| Rated impulse voltage | 4 kV |
| Pollution degree | 2 |
| Dielectric strength, control/load circuit (AC, 1 min) | 4 kVrms |
| Dielectric strength open contact (AC, 1 min) | 1.5 kVrms |
| Dielectric strength, load/load circuit (AC, 1 min) | 2.5 kVrms |
| Protection class | IP20 |

Connection data

| | |
|-------------------------|----------------------------------------------|
| Connection technology | Push-in CAGE CLAMP® |
| Solid conductor | 0.34 ... 2.5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor | 0.34 ... 2.5 mm ² / 22 ... 14 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inch |

Geometrical Data

| | |
|---------------------------------------|--------------------|
| Width | 15 mm / 0.591 inch |
| Height from upper-edge of DIN-35 rail | 64 mm / 2.52 inch |
| Depth | 86 mm / 3.386 inch |

Mechanical data

| | |
|------------------|-------------|
| Type of mounting | DIN-35 rail |
|------------------|-------------|

Material Data

| | |
|-----------|------|
| Fire load | 0 MJ |
| Weight | 50 g |

Environmental Requirements

| | |
|-----------------------------------------------------------|----------------|
| Pollution degree | 2 |
| Surrounding air (operating) temperature at U _N | -40 ... 70 °C |
| Surrounding air (storage) temperature | -40 ... 70 °C |
| Processing temperature | -25 ... +50 °C |
| Surrounding air (operating) temperature for UL | -25 ... 40 °C |

Standards and specifications


| | |
|--------------------------|-----------------------------------------------------------|
| Standards/specifications | EN 61010-2-201, EN 50205, EN 61810-3; UL 508 (max. 40 °C) |
|--------------------------|-----------------------------------------------------------|

Commercial data




| | |
|--------------------|---------------------------|
| Product Group | 6 (Interface Electronics) |
| Country of origin | DE |
| GTIN | 4045454515126 |
| Customs Tariff No. | 85364900990 |


















Approvals / Certificates

















UL-Approvals
















| Logo | Approval | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------|------------------|
|  | UL UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508 | E175199 Sec.6 |
















Compatible products
















| 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 | 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 | 216-242 |
|  | Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-243 |
| | Item no.: 216-244 | |














| | | | |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|
|  | Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | | 216-244 |
|  | Item no.: 216-542 Twin ferrule; Sleeve for 2 x 1 mm ² / AWG 2 x 18; red, insulated; 12 mm long | | 216-542 |
| Jumper | | | |
|  | Item no.: 788-113 Comb-style jumper bar; 2-way; insulated | | 788-113 |
|  | Item no.: 788-114 Comb-style jumper bar; 3-way; insulated | | 788-114 |
|  | Item no.: 788-115 Comb-style jumper bar; 4-way; insulated | | 788-115 |
|  | Item no.: 788-116 Comb-style jumper bar; 6-way; insulated | | 788-116 |
|  | Item no.: 788-117 Comb-style jumper bar; 8-way; insulated | | 788-117 |
|  | Item no.: 788-118 Comb-style jumper bar; 2-way (1-3); insulated | | 788-118 |
|  | Item no.: 859-402 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated | | 859-402 |
|  | Item no.: 859-402/000-005 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated | /000-005 | 859-402 |
|  | Item no.: 859-402/000-006 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated | /000-006 | 859-402 |
|  | Item no.: 859-402/000-029 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated | /000-029 | 859-402 |
| tools | | | |
|  | Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm | | 210-720 |
| General accessories | | | |
|  | Item no.: 209-145 Group marker carrier | | 209-145 |
|  | Item no.: 209-184 Protection cover | | 209-184 |
|  | Item no.: 249-105 Group marker carrier | | 249-105 |
|  | Item no.: 788-120 Accessories for relay modules; Operation status indicator: red | | 788-120 |
| Marking accessories | | | |

| | | |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------|
|  | Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type | 2009-110 |
|  | Item no.: 2009-115 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115 |
|  | Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115 /000-002 |
|  | Item no.: 2009-115/000-006 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115 /000-006 |
|  | Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115 /000-007 |
|  | Item no.: 2009-115/000-012 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115 /000-012 |
|  | Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115 /000-017 |
|  | Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115 /000-023 |
|  | Item no.: 209-128 Adaptor | 209-128 |
|  | Item no.: 209-183 Marker card | 209-183 |
|  | Item no.: 210-110 Fiber-tip pen | 210-110 |
|  | Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 |
|  | Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-002 |
|  | Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-005 |
|  | Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-006 |
|  | Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-007 |

| | | |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  | Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-012 |
|  | Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-017 |
|  | Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-023 |
|  | Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type | 793-501 /000-024 |
|  | Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 |
|  | Item no.: 793-502/000-002 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-002 |
|  | Item no.: 793-502/000-005 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-005 |
|  | Item no.: 793-502/000-006 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-006 |
|  | Item no.: 793-502/000-007 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-007 |
|  | Item no.: 793-502/000-012 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-012 |
|  | Item no.: 793-502/000-017 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-017 |
|  | Item no.: 793-502/000-023 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-023 |
|  | Item no.: 793-502/000-024 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type | 793-502 /000-024 |
|  | Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 |
|  | Item no.: 793-503/000-002 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-002 |

| | | |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  | Item no.: 793-503/000-005 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-005 |
|  | Item no.: 793-503/000-006 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-006 |
|  | Item no.: 793-503/000-007 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-007 |
|  | Item no.: 793-503/000-012 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-012 |
|  | Item no.: 793-503/000-017 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-017 |
|  | Item no.: 793-503/000-023 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-023 |
|  | Item no.: 793-503/000-024 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type | 793-503 /000-024 |
|  | Item no.: 793-504 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type | 793-504 |
|  | Item no.: 793-504/000-002 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type | 793-504 /000-002 |
|  | Item no.: 793-504/000-005 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type | 793-504 /000-005 |
|  | Item no.: 793-504/000-006 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type | 793-504 /000-006 |
|  | Item no.: 793-504/000-012 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type | 793-504 /000-012 |
|  | Item no.: 793-504/000-017 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type | 793-504 /000-017 |
|  | Item no.: 793-504/000-023 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type | 793-504 /000-023 |
|  | Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type | 793-505 |

| | | |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  | Item no.: 793-505/000-005 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type / 000-005 | 793-505 |
|  | Item no.: 793-505/000-006 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type / 000-006 | 793-505 |
|  | Item no.: 793-505/000-007 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type / 000-007 | 793-505 |
|  | Item no.: 793-505/000-012 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type / 000-012 | 793-505 |
|  | Item no.: 793-506 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type | 793-506 |
|  | Item no.: 793-506/000-005 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type / 000-005 | 793-506 |
|  | Item no.: 793-506/000-006 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type / 000-006 | 793-506 |
|  | Item no.: 793-506/000-012 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type / 000-012 | 793-506 |
|  | Item no.: 793-506/000-017 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type / 000-017 | 793-506 |
|  | 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 | 793-5501 |
|  | Item no.: 793-5501/000-002 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type / 000-002 | 793-5501 |
|  | Item no.: 793-5501/000-005 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type / 000-005 | 793-5501 |
|  | Item no.: 793-5501/000-006 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type / 000-006 | 793-5501 |
|  | Item no.: 793-5501/000-007 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type / 000-007 | 793-5501 |
|  | Item no.: 793-5501/000-012 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type / 000-012 | 793-5501 |

| | | |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|  | Item no.: 793-5501/000-014 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type | 793-5501 /000-014 |
|  | Item no.: 793-5501/000-017 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type | 793-5501 /000-017 |
|  | Item no.: 793-5501/000-023 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type | 793-5501 /000-023 |
|  | Item no.: 793-5501/000-024 WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type | 793-5501 /000-024 |
|  | Item no.: 793-566 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 |
|  | Item no.: 793-566/000-002 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-002 |
|  | Item no.: 793-566/000-005 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-005 |
|  | Item no.: 793-566/000-006 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-006 |
|  | Item no.: 793-566/000-007 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-007 |
|  | Item no.: 793-566/000-012 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-012 |
|  | Item no.: 793-566/000-017 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-017 |
|  | Item no.: 793-566/000-023 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-023 |
|  | Item no.: 793-566/000-024 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type | 793-566 /000-024 |

Downloads**Documentation****Bid Text**

788-906

Apr 4, 2012

doc

Download



| | |
|----------------|---------|
| Relaisbaustein | 27.6 kB |
|----------------|---------|

Instruction Leaflet

| | | |
|--------------------------|---------------|----------|
| Socket with Relay or SSR | pdf 2.1 MB | Download |
|--------------------------|---------------|----------|

Additional Information

| | | | |
|----------------------------------------------------------|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf 265.8 kB | Download |
|----------------------------------------------------------|---------|-----------------|----------|

CAD/CAE - Smart Data

CAD data

| | | |
|---------------------|-----|----------|
| 3D Download 788-906 | URL | Download |
|---------------------|-----|----------|

Subject to changes.
