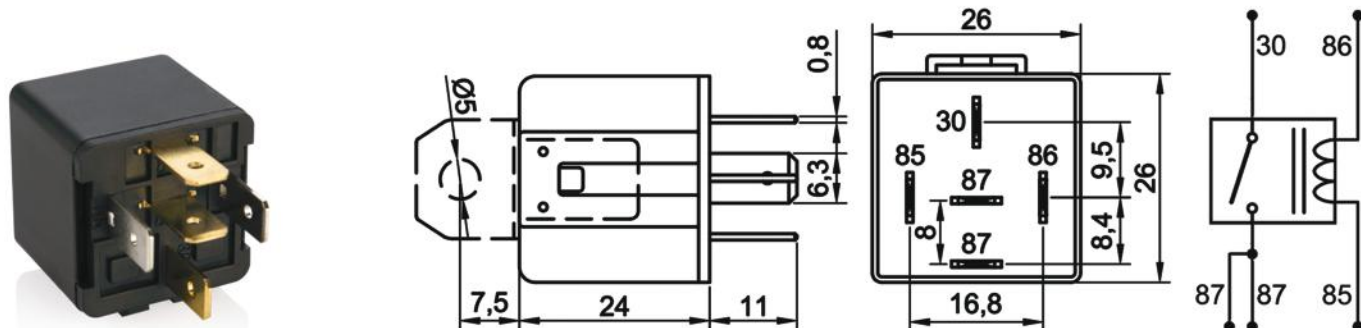


Mini ISO Relay

Product Code **700.220.202**

- 24V
- 20A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



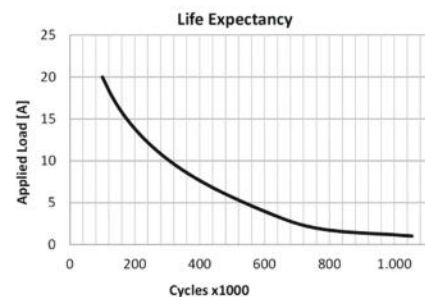
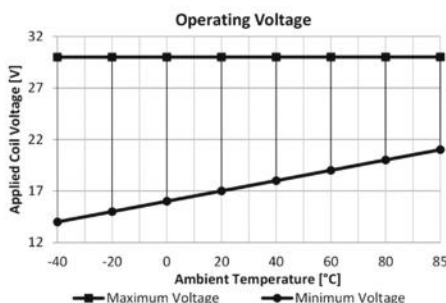
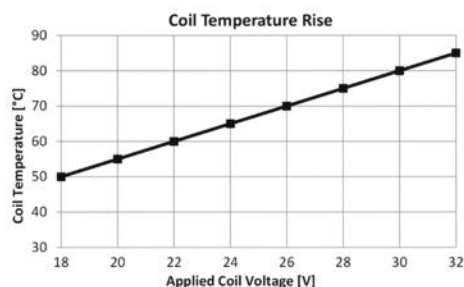
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	100A
Rated Continuous Load	20A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	360Ω ± %10	IP Rating	IP54 DIN IEC60529
Coil Suppression	Standard	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes and OEM Part Numbers are listed on the next page. All measurements are in millimeters.

**Mini ISO Relay**Product Code **700.220.202 (Cont'd)**

- 24V
- 20A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Bracket

**Cross Codes \***

<b>BOSCH</b>	<b>BOSCH (Devam)</b>	<b>HELLA</b>	<b>MAHLE</b>
0 332 003 012	0 332 019 213	4RA 933 791-081	MR69 72474041
0 332 014 201	0 986 AH0 253	4RA 933 791-131	MR98 72474073
0 332 014 203	<b>GEBE</b>	4RA 933 791-141	<b>NAGARES</b>
0 332 014 213	9 9065 1	<b>HERTH+BUSS</b>	RLP/5-24
0 332 019 203		75613212	RLPS/5-24

\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

**OEM Part Numbers \*\***

<b>AUWARTER</b>	<b>MERCEDES-BENZ</b>
1505.521.00	001 542 56 19
<b>DAF</b>	000 545 72 05
114571	002 542 09 19
1523982	001 542 11 19
1526349	<b>NEOPLAN</b>
1527511	1505.521.00
<b>DAIMLER</b>	<b>PUCH</b>
A 002 542 09 19	721 1 85 224 0
<b>DEUTZ-FAHR</b>	<b>RENAULT</b>
1164016	50 00 560 865
<b>FENDT</b>	<b>SCANIA</b>
656 108 301	433294
<b>FIAT</b>	<b>SMART</b>
4337070	002 542 09 19
4347332	<b>STEYR</b>
<b>KASSBOHRER</b>	990 00 58 0236
7 375 112 000	<b>TEREX</b>
<b>KHD</b>	5350248630
1164016	<b>VOLVO</b>
1171929	1501833
<b>LIEBHERR</b>	839434
630 121 008	
<b>MAN</b>	
81 25902 0017	
81 25902 0058	
81 25902 0109	
81 25902 0156	
81 25902 0236	
81 25902 0410	
81 25902 0439	
81 25902 0459	
81 25902 0461	
81 25902 0473	
81 25902 0561	

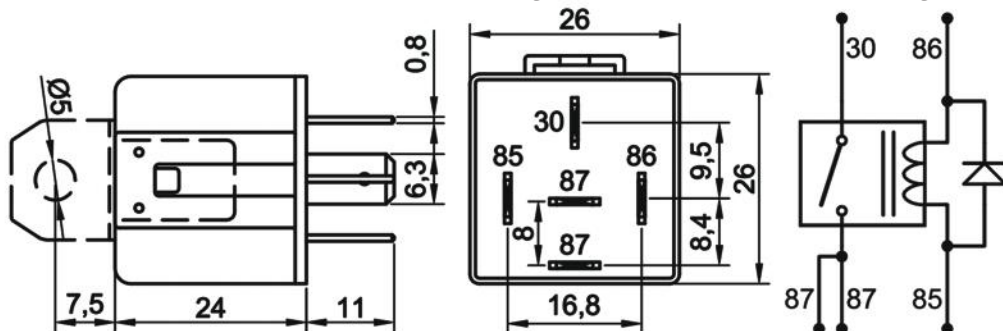
\*\* OEM part numbers listed are compiled from the information provided by the Original Equipment Manufacturers, open and restricted access third party sources.

Mini ISO Relay

Product Code **700.220.212**

- 24V
- 20A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Diode
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



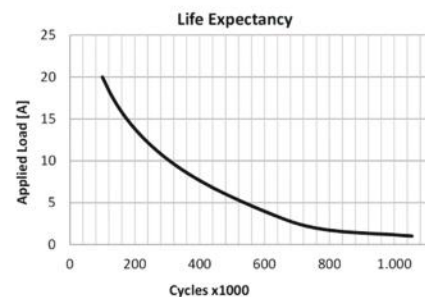
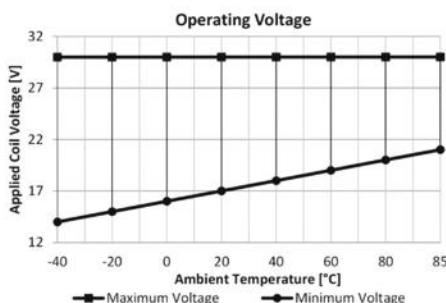
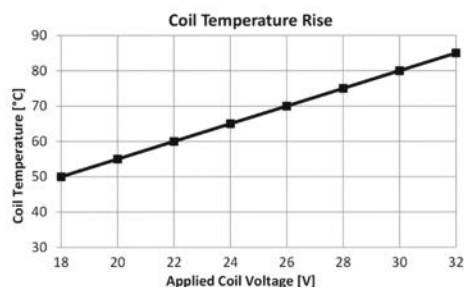
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	100A
Rated Continuous Load	20A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	360Ω ± %10	IP Rating	IP54 DIN IEC60529
Coil Suppression	Diode	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes are listed on the next page.  
All measurements are in millimeters.

**Mini ISO Relay**

Product Code **700.220.212 (Cont'd)**

- 24V
- 20A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Diode
- w/ Bracket

**Cross Codes \*****GEBE**

9 9066 1

**MAHLE**

MR70 72474043

MR99 72474074

**NAGARES**

RLP/5-24D

RLPS/5-24D

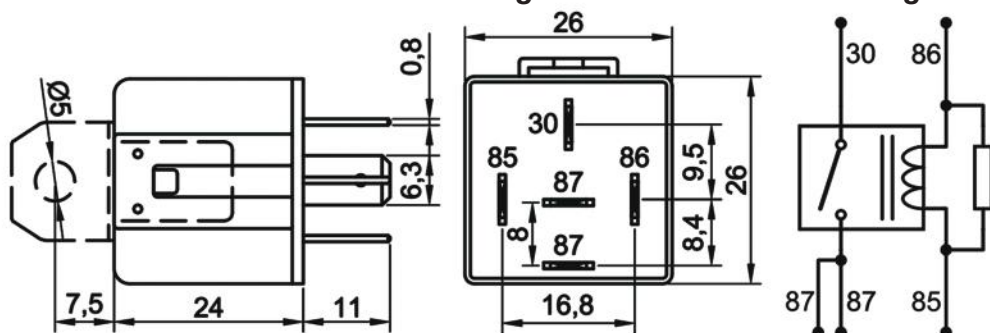
\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

Mini ISO Relay

Product Code **700.220.222**

- 24V
- 20A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Resistor
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



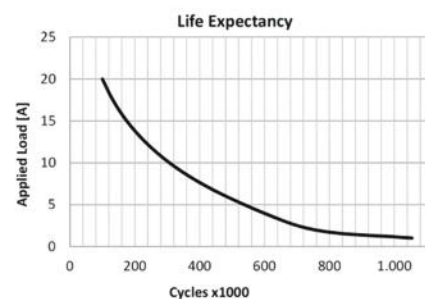
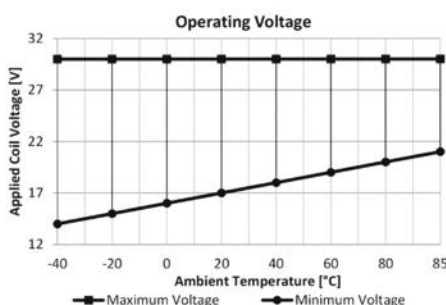
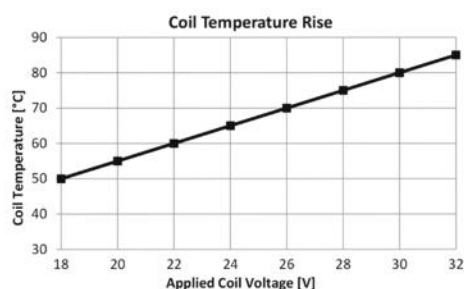
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	100A
Rated Continuous Load	20A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	330Ω ± %10	IP Rating	IP54 DIN IEC60529
Coil Suppression	2k7 Resistor	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes are listed on the next page.  
All measurements are in millimeters.

**Mini ISO Relay**

Product Code **700.220.222 (Cont'd)**

- 24V
- 20A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Resistor
- w/ Bracket

**Cross Codes \*****BOSCH**

0986 AH0 204

**MAHLE**

MR71 72474044

**NAGARES**

RLP/5-24R

RLPS/5-24R

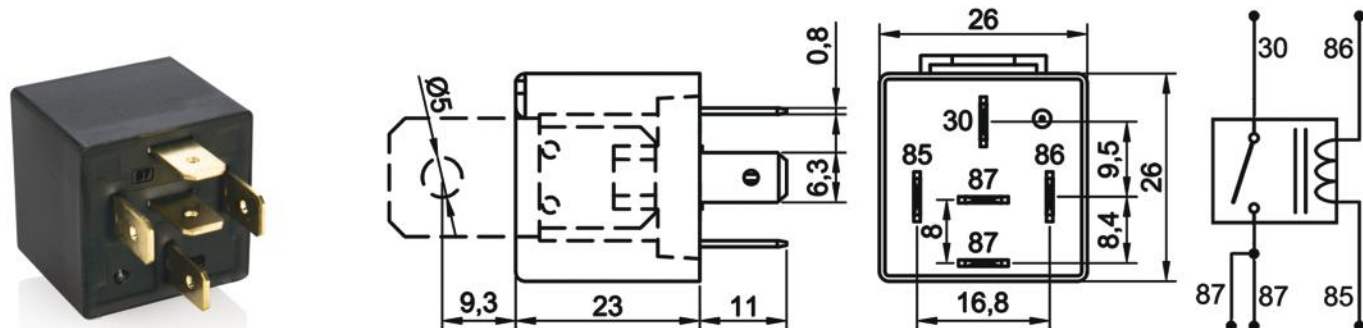
\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

Mini ISO Relay

Product Code **710.230.202**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



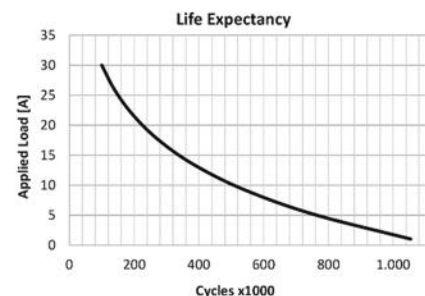
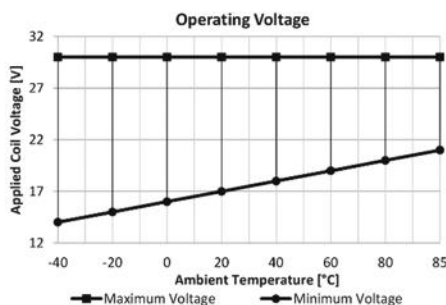
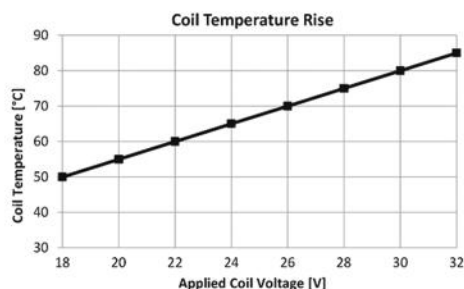
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	120A
Rated Continuous Load	30A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deducted by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deducted by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	360Ω ± %10	IP Rating	IP54 DIN IEC60529
Coil Suppression	Standard	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes and OEM Part Numbers are listed on the next page.  
All measurements are in millimeters.



**Mini ISO Relay**Product Code **710.230.202 (Cont'd)**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Bracket

**Cross Codes \***

<b>BOSCH</b>	<b>BOSCH (Cont'd)</b>	<b>HELLA</b>	<b>MAHLE</b>
0 332 003 012	0 986 AH0 253	4RA 933 791-081	MR69 72474041
0 332 014 201	0 986 AH0 603	4RA 933 791-131	MR98 72474073
0 332 014 203	<b>GEBE</b>	4RA 933 791-141	<b>NAGARES</b>
0 332 014 213	9 9065 1	<b>HERTH+BUSS</b>	RLP/5-24
0 332 019 203	9 9066 1	75613212	RLPS/5-24
0 332 019 213			

\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

**OEM Part Numbers \*\***

<b>AUWARTER</b>	<b>MERCEDES-BENZ</b>
1505.521.00	001 542 56 19
<b>DAF</b>	000 545 72 05
114571	002 542 09 19
1523982	001 542 11 19
1526349	<b>NEOPLAN</b>
1527511	1505.521.00
<b>DAIMLER</b>	<b>PUCH</b>
A 002 542 09 19	721 1 85 224 0
<b>DEUTZ-FAHR</b>	<b>RENAULT</b>
1164016	50 00 560 865
<b>FENDT</b>	<b>SCANIA</b>
656 108 301	433294
<b>FIAT</b>	<b>SMART</b>
4337070	002 542 09 19
4347332	<b>STEYR</b>
<b>KASSBOHRER</b>	990 00 58 0236
7 375 112 000	<b>TEREX</b>
<b>KHD</b>	5350248630
1164016	<b>VOLVO</b>
1171929	1501833
<b>LIEBHERR</b>	839434
630 121 008	
<b>MAN</b>	
81 25902 0017	
81 25902 0058	
81 25902 0109	
81 25902 0156	
81 25902 0236	
81 25902 0410	
81 25902 0439	
81 25902 0459	
81 25902 0461	
81 25902 0473	
81 25902 0561	

\*\* OEM part numbers listed are compiled from the information provided by the Original Equipment Manufacturers, open and restricted access third party sources.

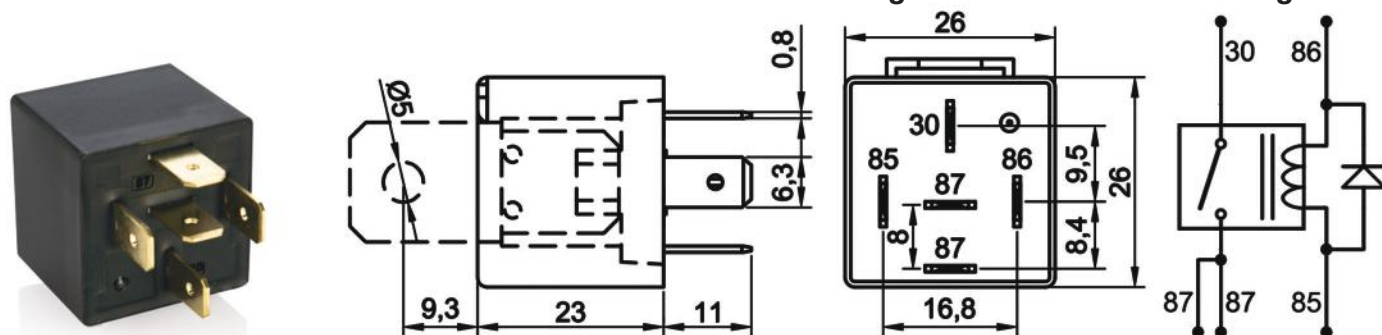


Mini ISO Relay

Product Code **710.230.212**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Diode
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



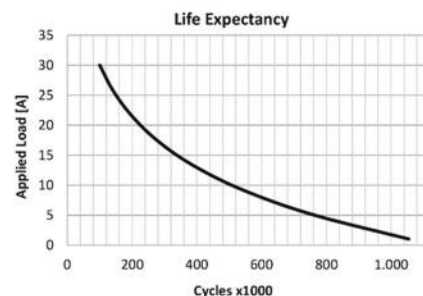
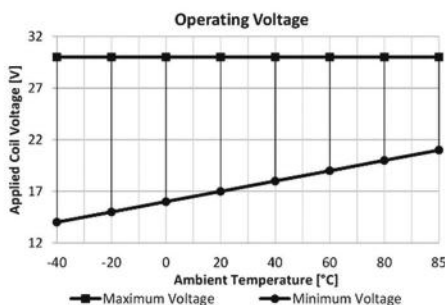
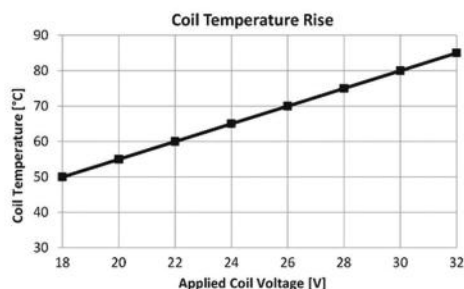
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	120A
Rated Continuous Load	30A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	360Ω ± %10	IP Rating	IP54 DIN IEC60529
Coil Suppression	Diode	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes are listed on the next page.  
All measurements are in millimeters.

**Mini ISO Relay****Product Code**                      **710.230.212**    **(Cont'd)**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Diode
- w/ Bracket

**Cross Codes \*****GEBE**

9 9066 1

**MAHLE**

MR70 72474043

MR99 72474074

**NAGARES**

RLP/5-24D

RLPS/5-24D

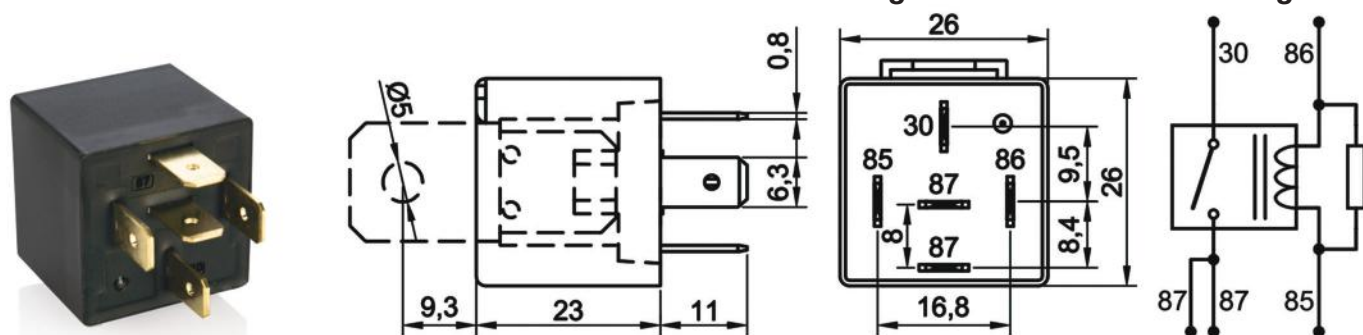
\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

Mini ISO Relay

Product Code **710.230.222**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Resistor
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



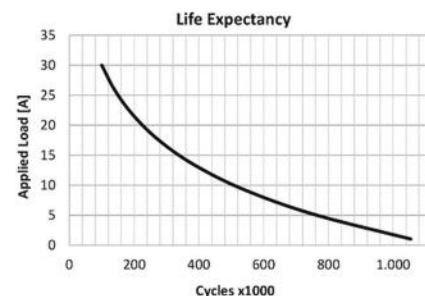
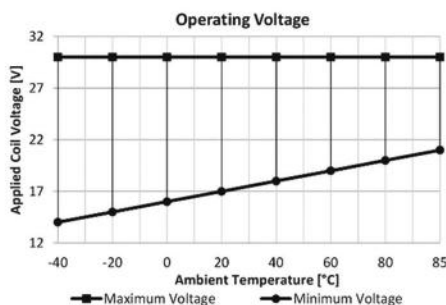
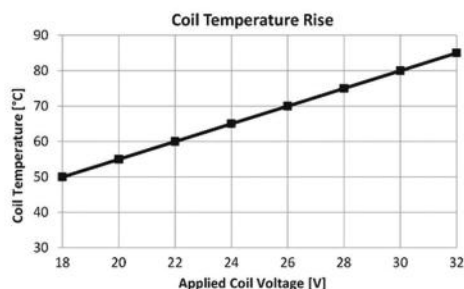
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	120A
Rated Continuous Load	30A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	330Ω ± %10	IP Rating	IP54 DIN IEC60529
Coil Suppression	2k7 Resistor	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes are listed on the next page.  
All measurements are in millimeters.

**Mini ISO Relay**

Product Code **710.230.222 (Cont'd)**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Resistor
- w/ Bracket

**Cross Codes \*****BOSCH**

0986 AH0 204

**MAHLE**

MR71 72474044

**NAGARES**

RLP/5-24R

RLPS/5-24R

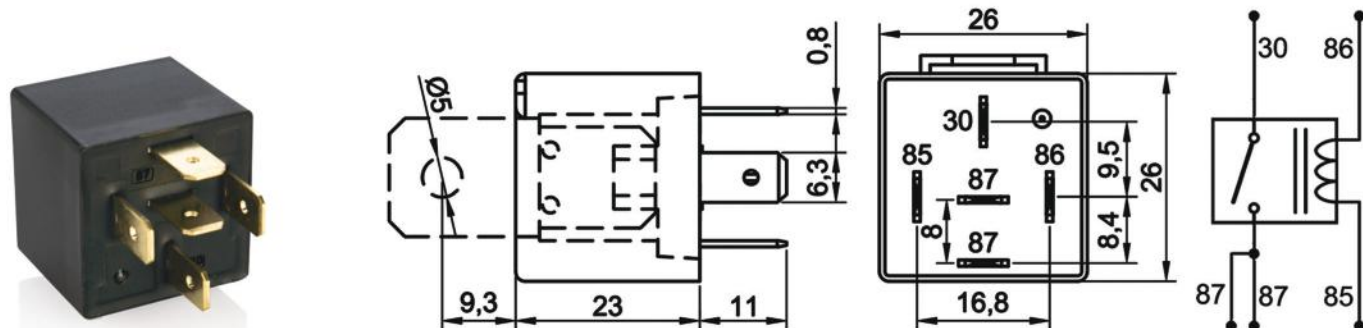
\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

Mini ISO Relay

Product Code **710.230.203**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- Sealed
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



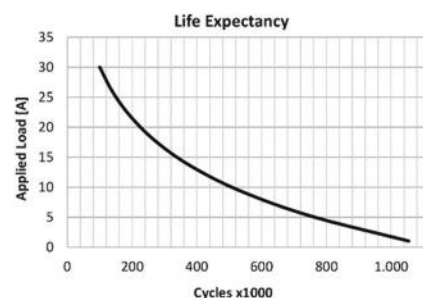
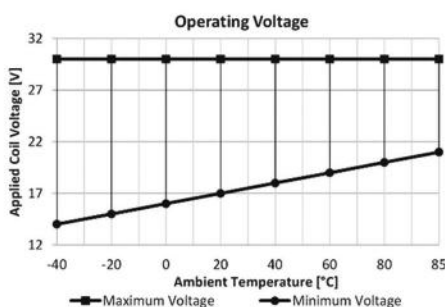
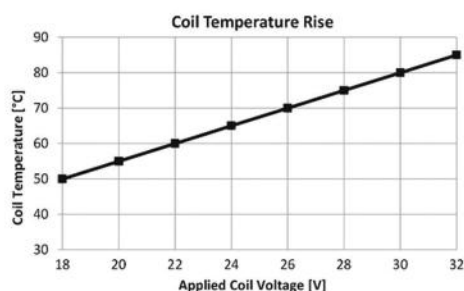
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	120A
Rated Continuous Load	30A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deducted by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deducted by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	360Ω ± %10	IP Rating	IP67 DIN IEC60529
Coil Suppression	Standard	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes and OEM Part Numbers are listed on the next page. All measurements are in millimeters.

**Mini ISO Relay**Product Code **710.230.203 (Cont'd)**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- Sealed
- w/ Bracket

**Cross Codes \***

<b>BOSCH</b>	<b>BOSCH (Cont'd)</b>	<b>HELLA</b>	<b>MAHLE</b>
0 332 003 012	0 986 AH0 253	4RA 933 791-081	MR69 72474041
0 332 014 201	0 986 AH0 603	4RA 933 791-131	MR98 72474073
0 332 014 203	<b>GEBE</b>	4RA 933 791-141	RLPS/5-24
0 332 014 213	9 9065 1	<b>HERTH+BUSS</b>	<b>NAGARES</b>
0 332 019 203	9 9066 1	75613212	RLP/5-24
0 332 019 213			RLPS/5-24

\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

**OEM Part Numbers\*\***

<b>AUWARTER</b>	<b>MERCEDES-BENZ</b>
1505.521.00	001 542 56 19
<b>DAF</b>	000 545 72 05
114571	002 542 09 19
1523982	001 542 11 19
1526349	<b>NEOPLAN</b>
1527511	1505.521.00
<b>DAIMLER</b>	<b>PUCH</b>
A 002 542 09 19	721 1 85 224 0
<b>DEUTZ-FAHR</b>	<b>RENAULT</b>
1164016	50 00 560 865
<b>FENDT</b>	<b>SCANIA</b>
656 108 301	433294
<b>FIAT</b>	<b>SMART</b>
4337070	002 542 09 19
4347332	<b>STEYR</b>
<b>KASSBOHRER</b>	990 00 58 0236
7 375 112 000	<b>TEREX</b>
<b>KHD</b>	5350248630
1164016	<b>VOLVO</b>
1171929	1501833
<b>LIEBHERR</b>	839434
630 121 008	
<b>MAN</b>	
81 25902 0017	
81 25902 0058	
81 25902 0109	
81 25902 0156	
81 25902 0236	
81 25902 0410	
81 25902 0439	
81 25902 0459	
81 25902 0461	
81 25902 0473	
81 25902 0561	

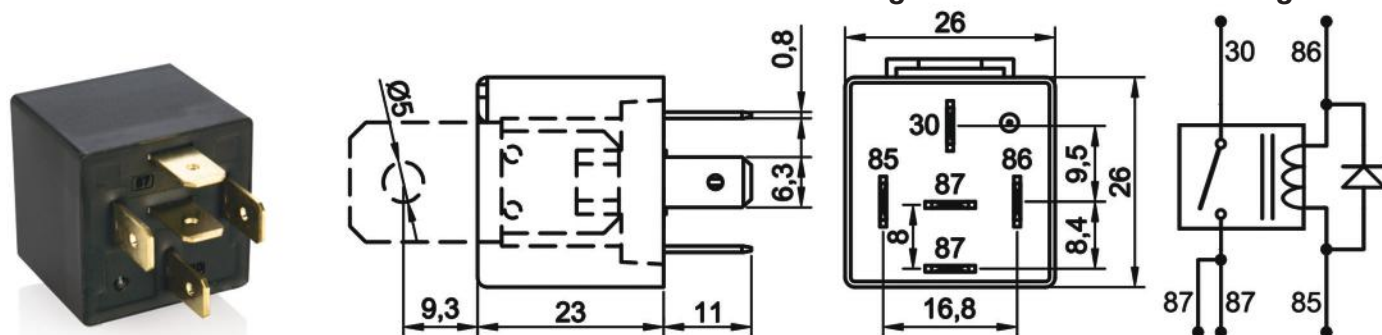
\*\* OEM part numbers listed are compiled from the information provided by the Original Equipment Manufacturers, open and restricted access third party sources.

Mini ISO Relay

Product Code **710.230.213**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Diode
- Sealed
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



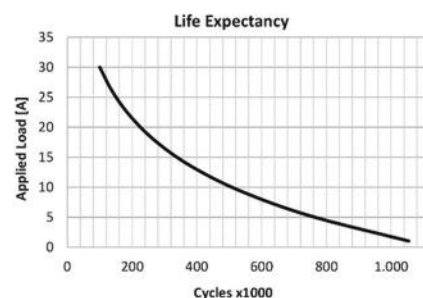
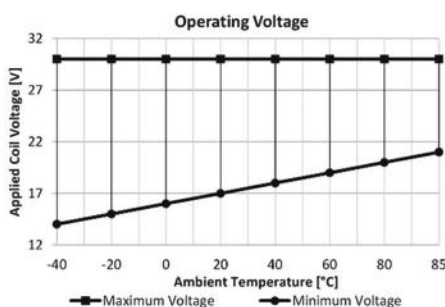
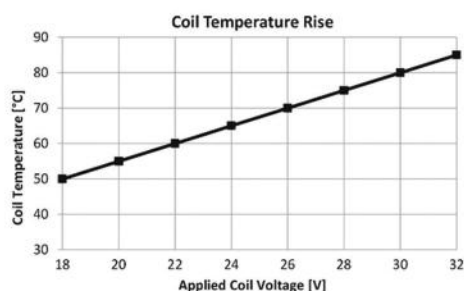
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	120A
Rated Continuous Load	30A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	360Ω ± %10	IP Rating	IP67 DIN IEC60529
Coil Suppression	Diode	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes are listed on the next page.  
All measurements are in millimeters.



**Mini ISO Relay****Product Code**                      **710.230.213 (Cont'd)**

- 24V                                      • 30A Continuous                      • SPST NO / 1 Form A                      • 5 Terminals
- w/ Diode                              • Sealed                                      • w/ Bracket

**Cross Codes \*****GEBE**

9 9066 1

**MAHLE**

MR70 72474043

MR99 72474074

**NAGARES**

RLP/5-24D

RLPS/5-24D

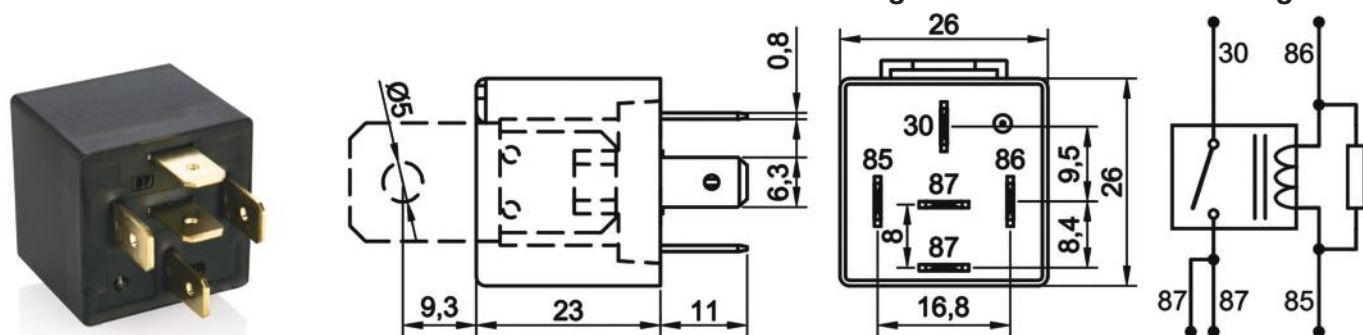
\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.

Mini ISO Relay

Product Code **710.230.223**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Resistor
- Sealed
- w/ Bracket

Terminal Configuration & Dimensions & Diagram



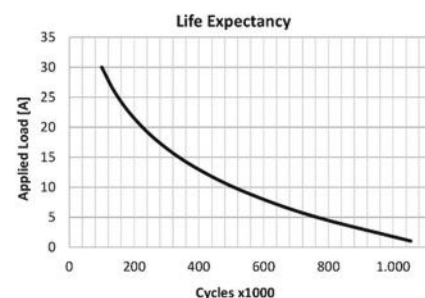
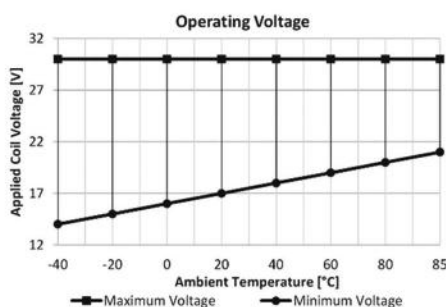
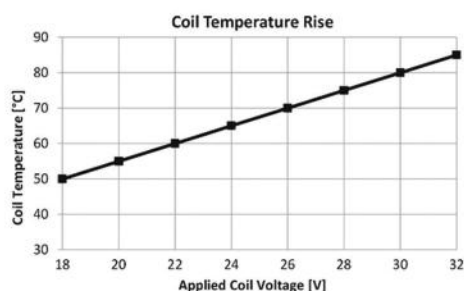
Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm<sup>2</sup>)\*
- 207.100.003 Socket – 5 Terminals – Black & Blue / Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

\* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

Nominal Voltage	24V	Maximum Inrush Current	120A
Rated Continuous Load	30A	Switching Cycles on Resistive Load	100.000
Contact Arrangement / Form	1 Form A / SPST NO / 2 x Terminal 87	Switching Cycles on Inductive Load (Motor) (Rated load must be deduced by 20%)	100.000
Contact Material	AgSnO <sub>2</sub> (AgNi10 on request)	Switching Cycles on Capacitive Load (Lamp) (Rated load must be deduced by 25%)	100.000
Operating / Drop Out Voltage	<18,0V / >2,4V	Vibration	20-200Hz,5g;>10us
Maximum Coil Voltage	40V (<1 min.)	Mechanical Shock	>10g, 11ms>10us
Coil Resistance (25°C)	330Ω ± %10	IP Rating	IP67 DIN IEC60529
Coil Suppression	2k7 Resistor	Terminals	ISO 8092 6,3 x 0,8 mm
Mechanical Cycles (On / Off)	>1.000.000	Terminals / Plating	85, 86: Fe/E-Ni 30, 87: CuZn63/-
Operating / Release Time	<10ms / <15ms	Bracket / Plating	Fe/E-Ni
Dielectric Strength	>1000Vdc	Ambient Temperature	-40 / +80 °C



Notes

Cross Codes are listed on the next page.  
All measurements are in millimeters.

**Mini ISO Relay****Product Code**                      **710.230.223**    **(Cont'd)**

- 24V
- 30A Continuous
- SPST NO / 1 Form A
- 5 Terminals
- w/ Resistor
- Sealed
- w/ Bracket

**Cross Codes \*****BOSCH**

0986 AH0 204

**MAHLE**

MR71 72474044

**NAGARES**

RLP/5-24R

RLPS/5-24R

\* The products on the cross codes list are in accordance with nominal voltage, rated continuous load, terminal layout and markings. Other technical information may vary.