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Module	Socket	Relay	Description	Mounting	Accessories
99.02	90.02	60.12	Screw terminal (Box clamp) socket	Panel or 35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Jumper link - Timer modules - Metal retaining clip
	90.03	60.13	Double A1 terminal		



Module	Socket	Relay	Description	Mounting	Accessories
99.01	90.20	60.12	Screw terminal (Box clamp) socket	Panel or 35 mm rail (EN 60715) mount	- Coil indication and EMC suppression modules - Metal retaining clip
	90.21	60.13			



Module	Socket	Relay	Description	Mounting	Accessories
—	90.82.3	60.12	Screw terminal (Box clamp) socket	Panel or 35 mm rail (EN 60715) mount	- Metal retaining clip
—	90.83.3	60.13			



Module	Socket	Relay	Description	Mounting	Accessories
—	90.22	60.12	Screw terminal (Box clamp) socket	Panel or 35 mm rail (EN 60715) mount	- Metal retaining clip
—	90.23	60.13			



Module	Socket	Relay	Description	Mounting	Accessories
—	90.26	60.12	Screw terminal (Plate clamp) socket	Panel or 35 mm rail (EN 60715) mount	- Metal retaining clip
—	90.27	60.13			



Module	Socket	Relay	Description	Mounting	Accessories
—	90.12	60.12	Flange mount solder socket	M3 screw fixing	—
—	90.13	60.13			

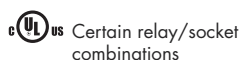


Module	Socket	Relay	Description	Mounting	Accessories
—	90.14	60.12	PCB socket	PCB	—
—	90.14.1	60.12			
—	90.15	60.13			
—	90.15.1	60.13			

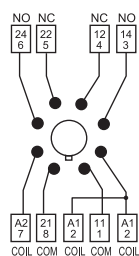


90.03

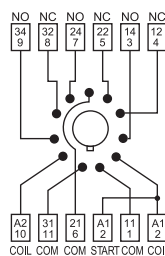
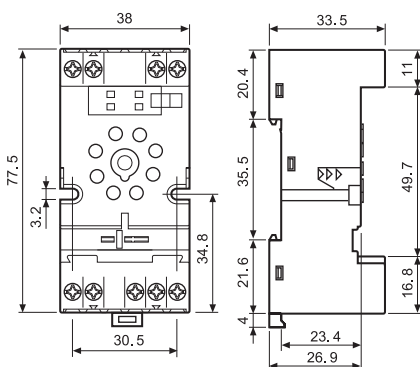
Approvals
(according to type):



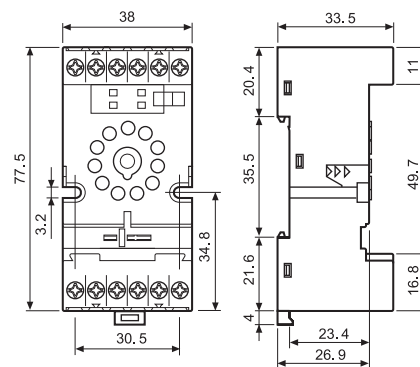
Screw terminal (Box clamp) socket panel or 35 mm rail (EN 60715) mount For relay type	90.02 Blue	90.02.0 Black	90.03 Blue	90.03.0 Black
	60.12		60.13	
Accessories				
Metal retaining clip			090.33	
6-way jumper link			090.06	
Identification tag			090.00.2	
Modules (see table below)			99.02	
Timer modules (see table below)			86.00, 86.30	
Technical data				
Rated values	10 A - 250 V			
Dielectric strength	2 kV AC			
Protection category	IP 20			
Ambient temperature	°C -40...+70			
⊕ Screw torque	Nm	0.6		
Wire strip length	mm	10		
Max. wire size for 90.02 and 90.03 sockets	solid wire		stranded wire	
	mm ²	1x6 / 2x2.5	1x4 / 2x2.5	
	AWG	1x10 / 2x14	1x12 / 2x14	



90.02

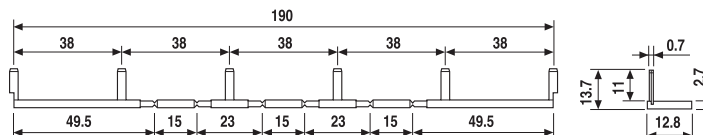


90.03



6-way jumper link for 90.02 and 90.03 sockets	090.06 (blue)	090.06.0 (black)
Rated values	10 A - 250 V	

Approvals
(according to type):



090.06



86.00



86.30



99.02

Approvals
(according to type):



DC Modules with
non-standard polarity
(+A2) on request.

86 series timer modules		
Multi-voltage: (12...240)V AC/DC;		
Multi-functions: AI, DI, SW, BE, CE, DE, EE, FE; (0.05 s...100 h)		86.00.0.240.0000
(12...24)V AC/DC; Bi-function: AI, DI; (0.05 s...100 h)		86.30.0.024.0000
(110...125)V AC; Bi-function: AI, DI; (0.05s...100h)		86.30.8.120.0000
(230...240)V AC; Bi-function: AI, DI; (0.05 s...100 h)		86.30.8.240.0000

Approvals (according to type):

99.02 coil indication and EMC suppression modules for 90.02 and 90.03 sockets		
Diode (+A1, standard polarity)	(6...220)V DC	99.02.3.000.00
LED	(6...24)V DC/AC	99.02.0.024.59
LED	(28...60)V DC/AC	99.02.0.060.59
LED	(110...240)V DC/AC	99.02.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC	99.02.9.024.99
LED + Diode (+A1, standard polarity)	(28...60)V DC	99.02.9.060.99
LED + Diode (+A1, standard polarity)	(110...220)V DC	99.02.9.220.99
LED + Varistor	(6...24)V DC/AC	99.02.0.024.98
LED + Varistor	(28...60)V DC/AC	99.02.0.060.98
LED + Varistor	(110...240)V DC/AC	99.02.0.230.98
RC circuit	(6...24)V DC/AC	99.02.0.024.09
RC circuit	(28...60)V DC/AC	99.02.0.060.09
RC circuit	(110...240)V DC/AC	99.02.0.230.09
Residual current by-pass	(110...240)V AC	99.02.8.230.07

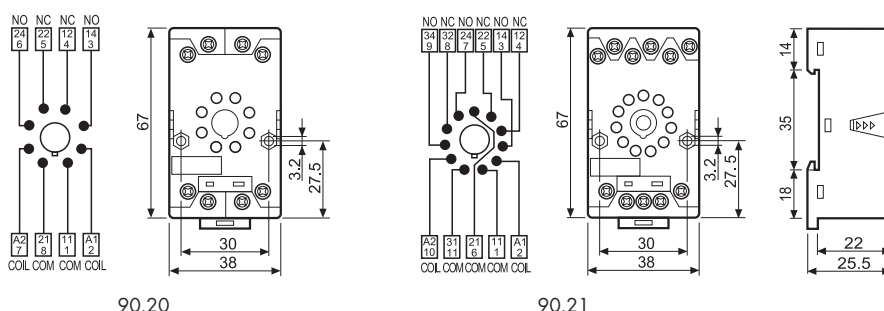


90.21

Approvals
(according to type):



Screw terminal (Box clamp) socket	90.20	90.20.0	90.21	90.21.0
panel or 35 mm rail (EN 60715) mount	Blue	Black	Blue	Black
For relay type	60.12		60.13	
Accessories				
Metal retaining clip (supplied with socket - packaging code SMA)			090.33	
Modules (see table below)			99.01	
Technical data				
Rated values	10 A - 250 V			
Dielectric strength	2 kV AC			
Protection category	IP 20			
Ambient temperature	°C -40...+70			
Screw torque	Nm 0.5			
Wire strip length	mm 10			
Max. wire size for 90.20 and 90.21 sockets	solid wire	stranded wire		
	mm ² 1x6 / 2x2.5	1x6 / 2x2.5		
	AWG 1x10 / 2x14	1x10 / 2x14		



99.01

Approvals
(according to type):



* Modules in Black housing are available on request.

Green LED is standard. Red LED available on request.

99.01 coil indication and EMC suppression modules for 90.20 and 90.21 sockets			Blue*
See technical data page 215/216			
Diode (+A1, standard polarity)	(6...220)V DC		99.01.3.000.00
Diode (+A2, non-standard polarity)	(6...220)V DC		99.01.2.000.00
LED	(6...24)V DC/AC		99.01.0.024.59
LED	(28...60)V DC/AC		99.01.0.060.59
LED	(110...240)V DC/AC		99.01.0.230.59
LED + Diode (+A1, standard polarity)	(6...24)V DC		99.01.9.024.99
LED + Diode (+A1, standard polarity)	(28...60)V DC		99.01.9.060.99
LED + Diode (+A1, standard polarity)	(110...220)V DC		99.01.9.220.99
LED + Diode (+A2, non-standard polarity)	(6...24)V DC		99.01.9.024.79
LED + Diode (+A2, non-standard polarity)	(28...60)V DC		99.01.9.060.79
LED + Diode (+A2, non-standard polarity)	(110...220)V DC		99.01.9.220.79
LED + Varistor	(6...24)V DC/AC		99.01.0.024.98
LED + Varistor	(28...60)V DC/AC		99.01.0.060.98
LED + Varistor	(110...240)V DC/AC		99.01.0.230.98
RC circuit	(6...24)V DC/AC		99.01.0.024.09
RC circuit	(28...60)V DC/AC		99.01.0.060.09
RC circuit	(110...240)V DC/AC		99.01.0.230.09
Residual current by-pass	(110...240)V AC		99.01.8.230.07

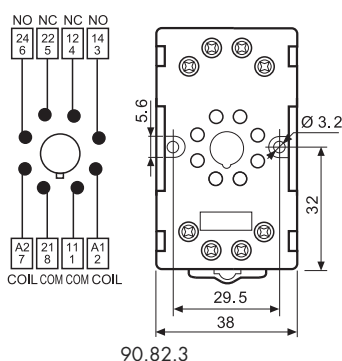


90.83.3

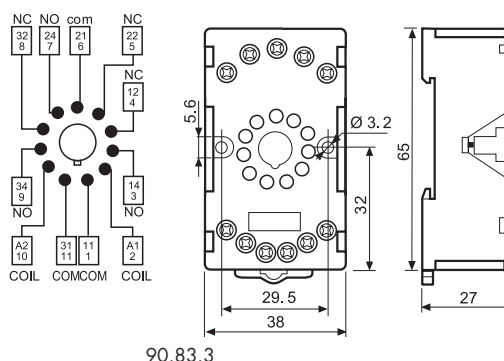
Approvals
(according to type):



Screw terminal (Box clamp) socket panel or 35 mm rail (EN 60715) mount	90.82.3 Blue	90.82.30 Black	90.83.3 Blue	90.83.30 Black
For relay type	60.12		60.13	
Accessories				
Metal retaining clip	090.33			
Technical data				
Rated values	10 A - 250 V			
Dielectric strength	2 kV AC			
Protection category	IP 20			
Ambient temperature	°C −40...+70			
 Screw torque	Nm 0.8			
Max. wire size for 90.82.3 and 90.83.3 sockets	solid wire		stranded wire	
	mm² 1x6 / 2x4		1x6 / 2x4	
	AWG 1x10 / 2x14		1x10 / 2x14	



90.82.3



90.83.3

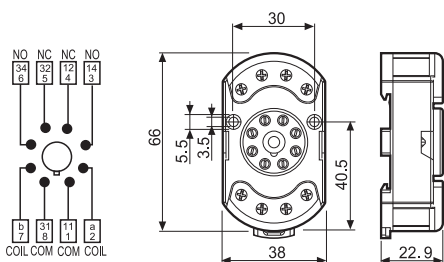


90.23

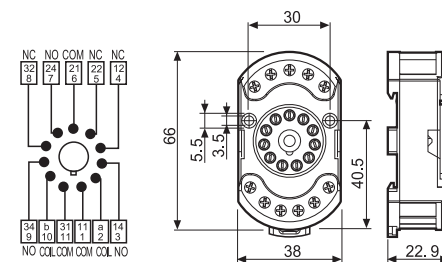
Approvals
(according to type):



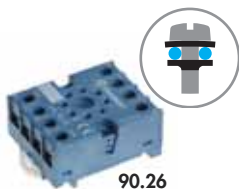
Screw (Box clamp) terminal socket panel or 35 mm rail (EN 60715) mount	90.22 Blue	90.23 Blue
For relay type	60.12	60.13
Accessories		
Metal retaining clip (supplied with socket - packaging code SMA)	090.33	
Technical data		
Rated values	10 A - 250 V	
Dielectric strength	2 kV AC	
Protection category	IP 20	
Ambient temperature	°C -40...+70	
⊕ Screw torque	Nm 0.5	
Wire strip length	mm 7	
Max wire size for 90.22 and 90.23 sockets	solid wire	
	mm ² 1x6 / 2x2.5	
	AWG 1x10 / 2x14	



90.22



90.23

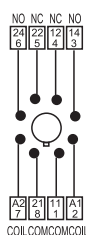


90.26

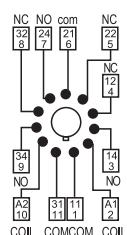
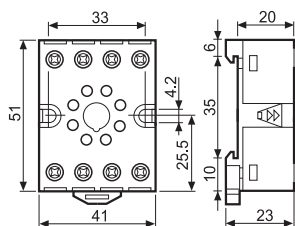
Approvals
(according to type):



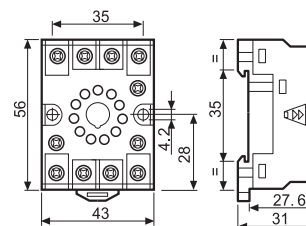
Screw terminal (Plate clamp) socket	90.26	90.26.0	90.27	90.27.0
panel or 35 mm rail (EN 60715) mount	Blue	Black	Blue	Black
For relay type	60.12		60.13	
Accessories				
Metal retaining clip (supplied with socket - packaging code SMA)			090.33	
Technical data				
Rated values	10 A - 250 V			
Dielectric strength	2 kV AC			
Protection category	IP 20			
Ambient temperature	°C -40...+70			
⊕ Screw torque	Nm	0.8		
Wire strip length	mm	10		
Max. wire size for 90.26 and 90.27 sockets	solid wire		stranded wire	
	mm ²		1x4 / 2x2.5	
	AWG		1x12 / 2x14	



90.26



90.27

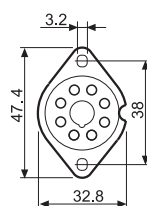


90.12

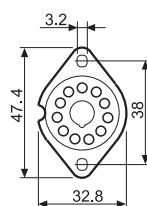
Approvals
(according to type):



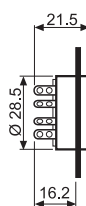
Flange mount solder socket mount with M3 screw	90.12 (black)	90.13 (black)
For relay type	60.12	60.13
Technical data		
Rated values	10 A - 250 V	
Dielectric strength	2 kV AC	
Ambient temperature	°C -40...+70	



90.12



90.13



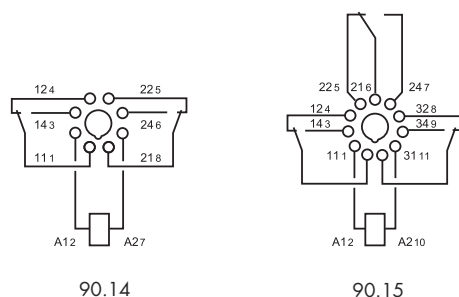
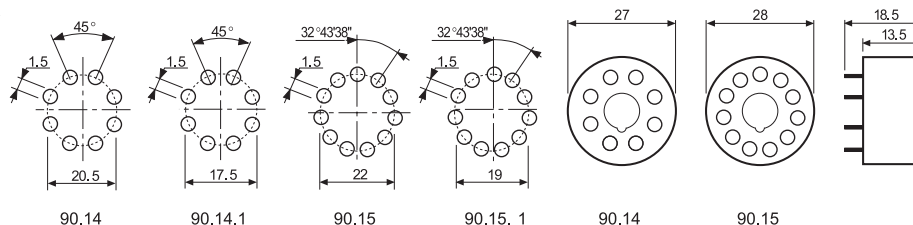


90.15

Approvals
(according to type):



PCB socket	Blue	90.14 (Ø 20.5 mm)	90.15 (Ø 22 mm)
	Blue	90.14.1 (Ø 17.5 mm)	90.15.1 (Ø 19 mm)
For relay type		60.12	60.13
Technical data			
Rated values		10 A - 250 V	
Dielectric strength		2 kV AC	
Ambient temperature	°C	-40...+70	



Packaging code

How to code and identify retaining clip and packaging options for sockets.

Example:

9 0 . 2 1 S M A

A Standard packaging

SM Metal retaining clip

9 0 . 2 1 [] []

Without retaining clip

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- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Slot-in identification tag	090002	090.00.2	Buy on EAN
6-way jumper-link for 90.02/90.03 sockets;blue	09006	090.06	Buy on EAN
Metal retaining clip for 60.12/60.13 relays on 90.02/90.03/90.20/90.21/90.22/90.23/90.26/90.27/90.82.3/90.83.3 sockets	09033	090.33	Buy on EAN
Multi-function for use with 90.02, 90.03, 92.03, 96.04 sockets;0.05s-100h;12-240VAC/DC; Functions:AI,DI,SW,BE,CE,DE,EE,FE	860002400000	86.00.0.240.0000	Buy on EAN
Multi-voltage for use with 90.02,90.03,92.03, 94.02, 94.03, 94.04, 95.03, 95.05, 96.02,96.04 and 97 sockets; ON Delay (AI); ON Pulse (DI)	863000240000	86.30.0.024.0000	Buy on EAN
Multi-voltage for use with 90.02,90.03,92.03, 94.02, 94.03, 94.04, 95.03, 95.05, 96.02, 96.04 and 97 sockets; ON Delay (AI); ON Pulse (DI)	863081200000	86.30.8.120.0000	Buy on EAN
Multi-voltage for use with 90.02,90.03,92.03, 94.02, 94.03, 94.04, 95.03, 95.05, 96.02, 96.04 and 97 sockets; ON Delay (AI); ON Pulse (DI)	863082400000	86.30.8.240.0000	Buy on EAN
General purpose relay	90020SMA	90.02.0.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.12 relay/88.12 timer;takes 86.00/10/20, 99.02 modules;supplied with 090.33 metal retaining clip:blue	9002SMA	90.02.SMA	Buy on EAN
General purpose relay	90030SMA	90.03.0.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.13 relay/88.02 timer;takes 86.00/10/20, 99.02 modules;supplied with 090.33 metal retaining clip:blue	9003SMA	90.03.SMA	Buy on EAN

Panel mount solder socket for 60.12 relay	9012	90.12	Buy on EAN
Panel mount solder socket for 60.13 relay	9013	90.13	Buy on EAN
PCB socket;20.5mm for 60.12 relay	9014	90.14	Buy on EAN
PCB socket;17.5mm for 60.12 relay	90141	90.14.1	Buy on EAN
PCB socket;22mm for 60.13 relay	9015	90.15	Buy on EAN
PCB socket;19mm for 60.13 relay	90151	90.15.1	Buy on EAN
General purpose relay	90200SMA	90.20.0.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.12 relay/88.12 timer;takes 99.01 modules;blue;supplied with 090.33 metal retaining clip	9020SMA	90.20.SMA	Buy on EAN
General purpose relay	90210SMA	90.21.0.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.13 relay/88.02 timer;takes 99.01 modules;blue;supplied with 090.33 metal retaining clip	9021SMA	90.21.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.12 relay;blue;supplied with 090.33 metal retaining clip	9022SMA	90.22.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.12 relay;blue;supplied with 090.33 metal retaining clip	9022SMH	90.22.SMH	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.13 relay;blue;supplied with 090.33 metal retaining clip	9023SMA	90.23.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.13 relay;blue;supplied with 090.33 metal retaining clip	9023SMH	90.23.SMH	Buy on EAN
General purpose relay	90260SMA	90.26.0.SMA	Buy on EAN
Screw terminal socket (plate clamps) for 60.12 relay/ 88.12 timer;blue;supplied w 090.33 metal retaining clip	9026SMA	90.26.SMA	Buy on EAN
Screw terminal socket (plate clamps) for 60.12 relay/ 88.12 timer;blue;supplied w 090.33 metal retaining clip	9027SMA	90.27.SMA	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.12 relay;Varitec;blue	90823	90.82.3	Buy on EAN
Black version (minimum/multiple order quantity 1000pcs)	908230	90.82.3.0	Buy on EAN
Screw terminal socket (screw cage clamps) for 60.13 relay;blue	90833	90.83.3	Buy on EAN

Black version (minimum/multiple order quantity 1000pcs)	908330	90.83.3.0	Buy on EAN
RC + varistor; 6-24VAC/DC	9901002409	99.01.0.024.09	Buy on EAN
Green LED; 6-24VAC/DC	9901002459	99.01.0.024.59	Buy on EAN
Green LED + varistor; 6-24VAC/DC	9901002498	99.01.0.024.98	Buy on EAN
RC + varistor; 28-60VAC/DC	9901006009	99.01.0.060.09	Buy on EAN
Green LED; 28-60VAC/DC	9901006059	99.01.0.060.59	Buy on EAN
Green LED + varistor; 28-60VAC/DC	9901006098	99.01.0.060.98	Buy on EAN
RC + varistor; 110-240VAC/DC	9901023009	99.01.0.230.09	Buy on EAN
Green LED; 110-240VAC/DC	9901023059	99.01.0.230.59	Buy on EAN
Green LED + varistor; 110-240VAC/DC	9901023098	99.01.0.230.98	Buy on EAN
Diode (inverted polarity); 6-220VDC	9901200000	99.01.2.000.00	Buy on EAN
Diode (standard polarity); 6-220VDC	9901300000	99.01.3.000.00	Buy on EAN
Residual current bypass 110-240VAC	9901823007	99.01.8.230.07	Buy on EAN
Green LED + diode (inverted polarity); 6-24VDC	9901902479	99.01.9.024.79	Buy on EAN
Green LED + diode (standard polarity); 6-24VDC	9901902499	99.01.9.024.99	Buy on EAN
Green LED + diode (inverted polarity); 28-60VDC	9901906079	99.01.9.060.79	Buy on EAN
Green LED + diode (standard polarity); 28-60VDC	9901906099	99.01.9.060.99	Buy on EAN
Green LED + diode (inverted polarity); 110-220VDC	9901922079	99.01.9.220.79	Buy on EAN
Green LED + diode (standard polarity); 110-220VDC	9901922099	99.01.9.220.99	Buy on EAN
RC + varistor; 6-24VAC/DC	9902002409	99.02.0.024.09	Buy on EAN
Green LED; 6-24VAC/DC	9902002459	99.02.0.024.59	Buy on EAN
Green LED + varistor; 6-24VAC/DC	9902002498	99.02.0.024.98	Buy on EAN
RC + varistor; 28-60VAC/DC	9902006009	99.02.0.060.09	Buy on EAN
Green LED; 28-60VAC/DC	9902006059	99.02.0.060.59	Buy on EAN
Green LED + varistor; 28-60VAC/DC	9902006098	99.02.0.060.98	Buy on EAN

RC + varistor; 110-240VAC/DC	9902023009	99.02.0.230.09	Buy on EAN
Green LED; 110-240VAC/DC	9902023059	99.02.0.230.59	Buy on EAN
Green LED + varistor; 110-240VAC/DC	9902023098	99.02.0.230.98	Buy on EAN
Diode (standard polarity); 6-220VDC	9902300000	99.02.3.000.00	Buy on EAN
Residual current bypass 110-240VAC	9902823007	99.02.8.230.07	Buy on EAN
Green LED + diode (standard polarity); 6-24VDC	9902902499	99.02.9.024.99	Buy on EAN
Green LED + diode (standard polarity); 28-60VDC	9902906099	99.02.9.060.99	Buy on EAN
Green LED + diode (standard polarity); 110-220VDC	9902922099	99.02.9.220.99	Buy on EAN