AEG

AEG DIN-RAIL DEVICES

The most common products for power distribution

AEG introduces the new range of modular devices with solutions for electrical applications up to 125A.

All the reliability of a product made in Europe.

To meet the needs of the most demanding household, commercial and part of industrial applications.

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The most common products for
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01

Protection devices for Household applications

DG+ and DCG+/DAG+ Series

Protect your home

DG60+ Miniature circuit breakers protect installations against overloads and short-circuits, ensuring the reliability and safety of the electrical installation.

DCG+/DAG+ Residual Current Devices detect the leakage currents: together with DG60+ miniature circuit breakers provide a complete protection for people and house installations.

Main Advantages

- Complete range of automatic and differential circuit breakers to complete the single-family home panel.
- World-wide guaranteed safety.

Principal characteristics:

- The DG+ series modular magnetic-thermal switch range is available in trip curves B, C and 6kA breaking capacity.
- Pole configuration available in 1P, 3P.
- 6 kA breaking capacity.
- Rated currents from 6 A to 63 A.
- Residual current devices available up to 63 A, in Type A and AC, rated sensitivity of 30 mA, 2P and 4P.
- Both ranges comply with the product standard IEC/EN 60898-1 and 61008-1 and are certified by IMQ, VDE and AENOR.

Series		DG+
Relevant regulations		IEC/EN 60898-1
Magnetic-thermal trip curves		B, C
Rated current (A)		C: 6-63 B: 6-40
Reference temperature (°C)		30
Poles		1P, 3P
Protected neutral		no
Fast opening		-
Rated voltage		
AC	1P (V)	230
	1P+N (V)	230
	2P (V)	400
DC	1P(1) (Vdc)	-
	2P (in series)(1) (Vdc)	-
Frequency (Hz)		50/60
Maximum operating voltage Ubmax (V)		250
Minimum operating voltage Ubmin (V)		12
Selectivity class (EN 60898)		-
Suitable as disconnector (EN 60947-2)		-
Insulation voltage Ui		
pollution degree 2 (V)		-
pollution degree 3 (V)		-
Voltage impulse (Uimp) (kV)		4
Insulation resistance (MOhm)		1000
Dielectric strength (kV)		2
Mounting position		Indiscriminate
Top/bottom accessory		Indiscriminate
Shock resistance (on axes x, y, z) (g)		25
Maximum number of electrical operations at Un; In		20.000
mechanic		20.000
Use category (EN 60947-2)		A
Degree of protection (with/without enclosure with door)		IP20/IP40
Self-extinguishing degree (according to UL 94)		V2
Tropicalization (according to EN 60068-2, DIN 40046)		+55°C/95% R.H.
Operating temperature (°C)		-25 to +55
Storage temperature (°C)		-40 to +70
Sections		
rigid cable min/max (up) (mm2)		0.75-25
flexible cable min(2)/max (up) (mm2)		0.75-16
rigid cable min/max (down) (mm2)		0.75-25
flexible cable min(2)/max (down) (mm2)		0.75-16
Tightening torque (Nm)		2
Electrical Auxiliaries		
auxiliary contacts (CA, CB)		no
minimum voltage coil (Tele U)		no
trip coil (Tele L)		no
motor control (Tele MP)		no
panel opening disconnector (PBS)		no
Fork connection system (up/down)		no
(joint bridges) with tab (up/down)		Yes
Accessories		no
Dimensions per module (H x L x P) (mm)		85 x 69 x 18
Weight per module (gr/mod) (g)		115

Series	DAG+, DCG+
Relevant regulations	EN 61008-1
Class	AC, A
Opening time at IΔn	
instantaneous (ms)	< 40
Rated current (A)	AC: 25, 40, 63 A: 40
Sensitivity IΔn (mA)	30
Reference temperature (°C)	30
Poles	2, 4
Rated voltage	
2P AC (V)	200
4P AC (V)	400
Frequency (Hz)	50/60
Maximum operating voltage Ub max (V)	2P = 254
	4P = 415
Minimum operating voltage Ub min (V)	2P = 170
	4P = 254
Feed	up/down
Selectivity	-
Making and breaking capacity Im (A)	1000
Differential making and breaking capacity IΔm (A)	1000
Conditioned short-circuit capacity Inc (A)	6,000 63A fuse
Conditioned differential short-circuit cap. IΔ c (A)	6.000
Short Circuit Resistance Icn (A)	-
Safety distance (mm)	35
Suitable as disconnector	no
Insulation class	
insulation voltage (V)	500
voltage impulse (1.2/50 µs) (kV)	4
insulation resistance (mOhm)	1.000
dielectric strength (V)	2.500
Shock resistance (axes x, y, z)	40g, 18 shocks 5 ms
No of maximum	
electrical operations	10.000
mechanic	20.000
Degree of protection (without panel/with panel)	IP20/IP40
Self-extinguishing degree (according to UL 94)	V2
Tropicalization (according to EN 60068-2, DIN 40046)	95% R.H at 55°C
Degree of pollution	3
Operating temperature (°C)	-5 to +40
Storage temperature (°C)	-40 to +70
Sections	
rigid cable min (1)/max (up) (mm2)	1/25
flexible cable min/max (up) (mm2)	1/25
rigid cable min/max (down) (mm2)	1/25
flexible cable min (1)/max (down) (mm2)	1/25
Tightening torque (Nm)	2.8
Electrical Auxiliaries	
auxiliary contacts (CA, CB)	no
minimum voltage coil (Tele U)	no
trip coil (Tele L)	no
motor control (Tele MP)	no
panel opening disconnector (PBS)	no
Fork connection system (up/down)	no
(joint bridges) with tab (up/down)	yes/yes
Accessories	no
Dimensions (H x L x P) (mm)	85 x 69 x 36
Weight (g)	200

DG+ Series

Miniature Circuit Breakers

EN/IEC 60898-1

Specifications

Rated current In	B: 6-40A, C=6-63A
Rated voltage in AC Un	230/400V
Trip curve	B, C
Short-circuit cap. acc. to EN/IEC 60898-1	6kA
Terminal capacity	25 or 2 x 10mm²
Poles	1, 3
Weight	115 g/pole

For household installations

		B curve			C curve			
Poles	In (A)	Product description	6 digit	Order code	Product description	6 digit	Order code	Sum Pack
1P	6	DG61+ B06	695277	2CDS211067R0065	DG61+ C06	694957	2CDS211067R0064	10
	10	DG61+ B10	695278	2CDS211067R0105	DG61+ C10	694958	2CDS211067R0104	10
	16	DG61+ B16	695279	2CDS211067R0165	DG61+ C16	694959	2CDS211067R0164	10
	20	DG61+ B20	695280	2CDS211067R0205	DG61+ C20	694960	2CDS211067R0204	10
	25	DG61+ B25	695281	2CDS211067R0255	DG61+ C25	694961	2CDS211067R0254	10
	32	DG61+ B32	695282	2CDS211067R0325	DG61+ C32	694962	2CDS211067R0324	10
	40	DG61+ B40	695283	2CDS211067R0405	DG61+ C40	694963	2CDS211067R0404	10
3P	6	DG63+ B06	695284	2CDS213067R0065	DG63+ C06	695293	2CDS213067R0064	1
	10	DG63+ B10	695285	2CDS213067R0105	DG63+ C10	695294	2CDS213067R0104	1
	16	DG63+ B16	695286	2CDS213067R0165	DG63+ C16	695295	2CDS213067R0164	1
	20	DG63+ B20	695287	2CDS213067R0205	DG63+ C20	695296	2CDS213067R0204	1
	25	DG63+ B25	695288	2CDS213067R0255	DG63+ C25	695297	2CDS213067R0254	1
	32	DG63+ B32	695289	2CDS213067R0325	DG63+ C32	695298	2CDS213067R0324	1
	40	DG63+ B40	695290	2CDS213067R0405	DG63+ C40	695299	2CDS213067R0404	1
	50				DG63+ C50	695300	2CDS213067R0504	1
	63				DG63+ C63	695301	2CDS213067R0634	1

DCG+ and DAG+ Series

Residual Current Circuit Breakers

EN/IEC 60898-1

Specifications

Rated current In	25, 40, 63 A
Sensitivity IΔm	30mA
Rated voltage in AC Un	2P: 230V; 4P: 400V
Fuse short circuit resistance 63A gG	Inc = 6000A at 230V
Shock wave resistance	AC: 250A 8/20µs
Terminal capacity	35mm² or 2 x 16mm²
Poles	2, 4
Weight	210 g/pole

Type A: DAG+

Poles	In	Product description	6 digit	Order code	Sum Pack
2P	40	DAG+240/30	695266	2CSF202155R1400	5
4P	40	DAG+440/30	695269	2CSF204155R1400	1

Type AC: DCG+

Poles	In	Product description	6 digit	Order code	Sum Pack
2P	25	DCG+225/30	694955	2CSF202055R1250	5
	40	DCG+240/30	694956	2CSF202055R1400	5
4P	25	DCG+425/30	695272	2CSF204055R1250	1
	40	DCG+440/30	695273	2CSF204055R1400	1
	63	DCG+463/30	695274	2CSF204055R1630	1

02

Protection devices for Power Distribution

E/EP Series

Overload and short-circuit protection, 6 kA, 10 kA

Miniature circuit breakers protect installations against overload and short-circuit, ensuring the reliability and safety of the electrical installation.

The E/EP series of modular circuit breakers forms a complete range of short-circuit breaking devices and the main trip curves, inabling with optional accessories.

Main Advantage

- Complete range of Miniature circuit breakers.
- Highest guaranteed reliability.
- Wide range of accessories available.

Applications

- Tertiary sector
- Partly industrial applications

Principal characteristics:

- 6kA, 10kA breaking capacity
- Pole configuration available in 1P, 1P+N, 2P, 3P and 4P
- Rated currents from 0.5 A to 63 A.
- IP20 protected terminals against accidental contacts
- Both ranges comply with the product standard IEC/EN 60898-1 and 60947-2 and are certified by KEMA, VDE, IMQ.
- Suitable for standardized DIN rail mounting
- Suitable for panel installation
- Handle interlockable in “ON” or “OFF” position

Series		E90/EP60 (D curve)	E90S/EP100 (D curve)
Relevant regulations		EN 60898	EN 60898
Magnetic-thermal trip curves		B, C, D	B, C, D
Rated current (A)		B: 6-63; C: 1-63; D:2-63	B: 6-63; C/D: 0,5-63
Reference temperature (°C)		30	30
Poles		1 / 1P+N / 2 / 3 / 4	1 / 2 / 3 / 4
Protected neutral		Yes	Yes
Fast opening		Yes	Yes
Rated voltage			
AC	1P (V)	230/400	230/400
	1P+N (V)	230	230
	2P (V)	400	400
	3P/3P+N/4P (V)	400	400
DC	1P(1) (Vdc)	48	48
	2P (in series)(1) (Vdc)	110	110
Frequency (Hz)		50/60	50/60
(Hz)		DC: magnetic trip + 40%	DC: magnetic trip + 40%
(Hz)		400Hz: magnetic trip 50%	400Hz: magnetic trip 50%
Maximum operating voltage Ubmax (V)		250/440; 53/120Vdc	250/440; 53/120Vdc
Minimum operating voltage Ubmin (V)		12; 12Vdc	12; 12Vdc
Selectivity class (EN 60898)		3	3
Suitable as disconnector (EN 60947-2)		Yes	Yes
Insulation voltage Ui			
pollution degree 2 (V)		500	500
pollution degree 3 (V)		440	440
Voltage impulse (Uimp) (kV)		6	6
Insulation resistance (MOhm)		1000	1000
Dielectric strength (kV)		2.5	2.5
Mounting position		Indiscriminate	Indiscriminate
Top/bottom accessory		Indiscriminate	Indiscriminate
Shock resistance (on axes x, y, z) (g)		3	3
Maximum number of electrical operations at Un; In		10000	10000
mechanic		20000	20000
Use category (EN 60947-2)		A	A
Degree of protection (with/without enclosure with door)		IP20/IP40	IP20/IP40
Self-extinguishing degree (according to UL 94)		V2	V2
Tropicalization (according to EN 60068-2, DIN 40046)		+55°C/95% R.H.	+55°C/95% R.H.
Operating temperature (°C)		-25/55	-25/55
Storage temperature (°C)		-55/55	-55/55
Sections			
rigid cable min/max (up) (mm2)		1/35	1/35
flexible cable min(2)/max (up) (mm2)		0.75/25	0.75/25
rigid cable min/max (down) (mm2)		1/35	1/35
flexible cable min(2)/max (down) (mm2)		0.75/25	0.75/25
Tightening torque (Nm)		max 4.5	max 4.5
Electrical Auxiliaries			
auxiliary contacts (CA, CB)		Yes	Yes
minimum voltage coil (Tele U)		Yes	Yes
trip coil (Tele L)		Yes	Yes
motor control (Tele MP)		Yes	Yes
panel opening disconnector* (PBS)		-	-
Pin connection system (up/down)		no/yes	no/yes
(joint bridges) with tab (up/down)		yes/yes	yes/yes
Accessories		Yes	Yes
Dimensions per module (H x L x P) (mm)		86 x 68 x 18	86 x 68 x 18
Weight per module (gr/mod) (g)		125	125

* only EP60/EP100 (D curve) feature the fork connection system on top/bottom

E90, EP60

EN 60898 | 3 | 6000

EN 60947-2 | 10kA

Approvals

Specifications

Rated current In	0,5-63A
Rated voltage in AC Un	230/400V
Minimum operating voltage $U_{B\ min}$	12V
Magnetic-thermal trip curves	B, C, D
No. of mechanical/electrical operations	20000/10000
Tropicalization according to EN 60068-2	95% R.H at 55°C
Terminal cap. flexible/rigid cable	25-35mm^2
Poles	1, 1+N, 2, 3 , 4
Weight	125 g/pole

6 kA: E90/EP60

		B curve			C curve			D curve			
Poles	In (A)	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code	Sum Pack
1P	1				E90 1P 1A C	552785	4TQA552785R0000				12
	2				E90 1P 2A C	552786	4TQA552786R0000	EP60 1P 2A D	667997	4TQA667997R0000	12
	3				E90 1P 3A C	552787	4TQA552787R0000	EP60 1P 3A D	667998	4TQA667998R0000	12
	4				E90 1P 4A C	552788	4TQA552788R0000	EP60 1P 4A D	667999	4TQA667999R0000	12
	6	E90 1P 6A B	552697	4TQA552697R0000	E90 1P 6A C	552789	4TQA552789R0000	EP60 1P 6A D	668000	4TQA668000R0000	12
	10	E90 1P 10A B	552699	4TQA552699R0000	E90 1P 10A C	552791	4TQA552791R0000	EP60 1P 10A D	668001	4TQA668001R0000	12
	13	E90 1P 13A B	552700	4TQA552700R0000	E90 1P 13A C	552792	4TQA552792R0000	EP60 1P 13A D	668002	4TQA668002R0000	12
	16	E90 1P 16A B	552701	4TQA552701R0000	E90 1P 16A C	552793	4TQA552793R0000	EP60 1P 16A D	668003	4TQA668003R0000	12
	20	E90 1P 20A B	552702	4TQA552702R0000	E90 1P 20A C	552794	4TQA552794R0000	EP60 1P 20A D	668004	4TQA668004R0000	12
	25	E90 1P 25A B	552703	4TQA552703R0000	E90 1P 25A C	552795	4TQA552795R0000	EP60 1P 25A D	668005	4TQA668005R0000	12
	32	E90 1P 32A B	552704	4TQA552704R0000	E90 1P 32A C	552796	4TQA552796R0000	EP60 1P 32A D	668006	4TQA668006R0000	12
	40	E90 1P 40A B	552705	4TQA552705R0000	E90 1P 40A C	552797	4TQA552797R0000	EP60 1P 40A D	668007	4TQA668007R0000	12
	50	E90 1P 50A B	552706	4TQA552706R0000	E90 1P 50A C	552798	4TQA552798R0000	EP60 1P 50A D	668008	4TQA668008R0000	12
	63	E90 1P 63A B	552707	4TQA552707R0000	E90 1P 63A C	552799	4TQA552799R0000	EP60 1P 63A D	668009	4TQA668009R0000	12
1P+N	6				E90 1P+N 6A C	552808	4TQA552808R0000				6
	10				E90 1P+N 10A C	552810	4TQA552810R0000				6
	13				E90 1P+N 16A C	552812	4TQA552812R0000				6
	16				E90 1P+N 20A C	552813	4TQA552813R0000				6
	20				E90 1P+N 25A C	552814	4TQA552814R0000				6
	25				E90 1P+N 32A C	552815	4TQA552815R0000				6
	32										6
2P	1				E90 2P 1A C	552820	4TQA552820R0000				
	2				E90 2P 2A C	552821	4TQA552821R0000	EP60 2P 2A D	668010	4TQA668010R0000	6
	3				E90 2P 3A C	552822	4TQA552822R0000	EP60 2P 3A D	668011	4TQA668011R0000	6
	4				E90 2P 4A C	552823	4TQA552823R0000	EP60 2P 4A D	668012	4TQA668012R0000	6
	6	E90 2P 6A B	552732	4TQA552732R0000	E90 2P 6A C	552824	4TQA552824R0000	EP60 2P 6A D	668013	4TQA668013R0000	6
	10	E90 2P 10A B	552734	4TQA552734R0000	E90 2P 10A C	552826	4TQA552826R0000	EP60 2P 10A D	668014	4TQA668014R0000	6
	13	E90 2P 13A B	552735	4TQA552735R0000	E90 2P 13A C	552827	4TQA552827R0000	EP60 2P 13A D	668015	4TQA668015R0000	6
	16	E90 2P 16A B	552736	4TQA552736R0000	E90 2P 16A C	552828	4TQA552828R0000	EP60 2P 16A D	668016	4TQA668016R0000	6
	20	E90 2P 20A B	552737	4TQA552737R0000	E90 2P 20A C	552829	4TQA552829R0000	EP60 2P 20A D	668017	4TQA668017R0000	6
	25	E90 2P 25A B	552738	4TQA552738R0000	E90 2P 25A C	552830	4TQA552830R0000	EP60 2P 25A D	668018	4TQA668018R0000	6
	32	E90 2P 32A B	552739	4TQA552739R0000	E90 2P 32A C	552831	4TQA552831R0000	EP60 2P 32A D	668019	4TQA668019R0000	6
	40	E90 2P 40A B	552740	4TQA552740R0000	E90 2P 40A C	552832	4TQA552832R0000	EP60 2P 40A D	668020	4TQA668020R0000	6
	50	E90 2P 50A B	552741	4TQA552741R0000	E90 2P 50A C	552833	4TQA552833R0000	EP60 2P 50A D	668021	4TQA668021R0000	6
	63	E90 2P 63A B	552742	4TQA552742R0000	E90 2P 63A C	552834	4TQA552834R0000	EP60 2P 63A D	668022	4TQA668022R0000	6

6 kA: E90/EP60

		B curve			C curve			D curve			
Poles	In (A)	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code	Sum Pack
3P	1				E90 3P 1A C	552839	4TQA552839R0000				4
	2				E90 3P 2A C	552840	4TQA552840R0000	EP60 3P 2A D	668023	4TQA668023R0000	4
	3				E90 3P 3A C	552841	4TQA552841R0000	EP60 3P 3A D	668024	4TQA668024R0000	4
	4				E90 3P 4A C	552842	4TQA552842R0000	EP60 3P 4A D	668025	4TQA668025R0000	4
	6	E90 3P 6A B	552751	4TQA552751R0000	E90 3P 6A C	552843	4TQA552843R0000	EP60 3P 6A D	668026	4TQA668026R0000	4
	10	E90 3P 10A B	552753	4TQA552753R0000	E90 3P 10A C	552845	4TQA552845R0000	EP60 3P 10A D	668027	4TQA668027R0000	4
	13	E90 3P 13A B	552754	4TQA552754R0000	E90 3P 13A C	552846	4TQA552846R0000	EP60 3P 13A D	668028	4TQA668028R0000	4
	16	E90 3P 16A B	552755	4TQA552755R0000	E90 3P 16A C	552847	4TQA552847R0000	EP60 3P 16A D	668029	4TQA668029R0000	4
	20	E90 3P 20A B	552756	4TQA552756R0000	E90 3P 20A C	552848	4TQA552848R0000	EP60 3P 20A D	668030	4TQA668030R0000	4
	25	E90 3P 25A B	552757	4TQA552757R0000	E90 3P 25A C	552849	4TQA552849R0000	EP60 3P 25A D	668031	4TQA668031R0000	4
	32	E90 3P 32A B	552758	4TQA552758R0000	E90 3P 32A C	552850	4TQA552850R0000	EP60 3P 32A D	668032	4TQA668032R0000	4
	40	E90 3P 40A B	552759	4TQA552759R0000	E90 3P 40A C	552851	4TQA552851R0000	EP60 3P 40A D	668033	4TQA668033R0000	4
	50	E90 3P 50A B	552760	4TQA552760R0000	E90 3P 50A C	552852	4TQA552852R0000	EP60 3P 50A D	668034	4TQA668034R0000	4
	63	E90 3P 63A B	552761	4TQA552761R0000	E90 3P 63A C	552853	4TQA552853R0000	EP60 3P 63A D	668035	4TQA668035R0000	4
4P	2							EP60 4P 2A D	668036	4TQA668036R0000	3
	3							EP60 4P 3A D	668037	4TQA668037R0000	3
	4							EP60 4P 4A D	668038	4TQA668038R0000	3
	6				E90 4P 6A C	552862	4TQA552862R0000	EP60 4P 6A D	668039	4TQA668039R0000	3
	10				E90 4P 10A C	552864	4TQA552864R0000	EP60 4P 10A D	668040	4TQA668040R0000	3
	13							EP60 4P 13A D	668041	4TQA668041R0000	3
	16				E90 4P 16A C	552866	4TQA552866R0000	EP60 4P 16A D	668042	4TQA668042R0000	3
	20				E90 4P 20A C	552867	4TQA552867R0000	EP60 4P 20A D	668043	4TQA668043R0000	3
	25				E90 4P 25A C	552868	4TQA552868R0000	EP60 4P 25A D	668044	4TQA668044R0000	3
	32				E90 4P 32A C	552869	4TQA552869R0000	EP60 4P 32A D	668045	4TQA668045R0000	3
	40				E90 4P 40A C	552870	4TQA552870R0000	EP60 4P 40A D	668046	4TQA668046R0000	3
	50				E90 4P 50A C	552871	4TQA552871R0000	EP60 4P 50A D	668047	4TQA668047R0000	3
	63				E90 4P 63A C	552872	4TQA552872R0000	EP60 4P 63A D	668048	4TQA668048R0000	3

E90S, EP100

EN 60898 | 3 | 10000

EN 60947-2 | 15kA

Approvals

Specifications

Rated current In	0.5-63A
Rated voltage in AC Un	230/400V
Minimum operating voltage $U_{B\,min}$	12V
Magnetic-thermal trip curves	B, C, D
No. of mechanical/ electrical operations	20000/10000
Tropicalization according to EN 60068-2	95% R.H at 55°C
Terminal cap. flexible/rigid cable	25-35 mm^2
Poles	1, 2, 3, 3+N, 4
Weight	125 g/pole

10 kA : E90S/EP100

		B curve			C curve			D curve			Sum
Poles	In	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code	Pack
1P	0,5				E90S 1P 0,5A C	553044	4TQA553044R0000				12
	1				E90S 1P 1A C	553045	4TQA553045R0000				12
	2				E90S 1P 2A C	553046	4TQA553046R0000				12
	3				E90S 1P 3A C	553047	4TQA553047R0000				12
	4				E90S 1P 4A C	553048	4TQA553048R0000				12
	6	E90S 1P 6A B	552973	4TQA552973R0000	E90S 1P 6A C	553049	4TQA553049R0000	EP100 1P 6A D	668336	4TQA668336R0000	12
	10	E90S 1P 10A B	552975	4TQA552975R0000	E90S 1P 10A C	553051	4TQA553051R0000	EP100 1P 10A D	668337	4TQA668337R0000	12
	13	E90S 1P 13A B	552976	4TQA552976R0000	E90S 1P 13A C	553052	4TQA553052R0000				12
	16	E90S 1P 16A B	552977	4TQA552977R0000	E90S 1P 16A C	553053	4TQA553053R0000	EP100 1P 16A D	668338	4TQA668338R0000	12
	20	E90S 1P 20A B	552978	4TQA552978R0000	E90S 1P 20A C	553054	4TQA553054R0000	EP100 1P 20A D	668339	4TQA668339R0000	12
	25	E90S 1P 25A B	552979	4TQA552979R0000	E90S 1P 25A C	553055	4TQA553055R0000	EP100 1P 25A D	668340	4TQA668340R0000	12
	32	E90S 1P 32A B	552980	4TQA552980R0000	E90S 1P 32A C	553056	4TQA553056R0000	EP100 1P 32A D	668341	4TQA668341R0000	12
	40	E90S 1P 40A B	552981	4TQA552981R0000	E90S 1P 40A C	553057	4TQA553057R0000	EP100 1P 40A D	668342	4TQA668342R0000	12
	50	E90S 1P 50A B	552982	4TQA552982R0000	E90S 1P 50A C	553058	4TQA553058R0000	EP100 1P 50A D	668343	4TQA668343R0000	12
	63	E90S 1P 63A B	552983	4TQA552983R0000	E90S 1P 63A C	553059	4TQA553059R0000	EP100 1P 63A D	668344	4TQA668344R0000	12
2P	0,5				E90S 2P 0,5A C	553063	4TQA553063R0000	EP100 2P 0,5A D	668345	4TQA668345R0000	6
	1				E90S 2P 1A C	553064	4TQA553064R0000	EP100 2P 1A D	668346	4TQA668346R0000	6
	2				E90S 2P 2A C	553065	4TQA553065R0000	EP100 2P 2A D	668347	4TQA668347R0000	6
	3				E90S 2P 3A C	553066	4TQA553066R0000	EP100 2P 3A D	668348	4TQA668348R0000	6
	4				E90S 2P 4A C	553067	4TQA553067R0000	EP100 2P 4A D	668349	4TQA668349R0000	6
	6	E90S 2P 6A B	552992	4TQA552992R0000	E90S 2P 6A C	553068	4TQA553068R0000	EP100 2P 6A D	668350	4TQA668350R0000	6
	10	E90S 2P 10A B	552994	4TQA552994R0000	E90S 2P 10A C	553070	4TQA553070R0000	EP100 2P 10A D	668351	4TQA668351R0000	6
	13	E90S 2P 13A B	552995	4TQA552995R0000	E90S 2P 13A C	553071	4TQA553071R0000				6
	16	E90S 2P 16A B	552996	4TQA552996R0000	E90S 2P 16A C	553072	4TQA553072R0000	EP100 2P 16A D	668352	4TQA668352R0000	6
	20	E90S 2P 20A B	552997	4TQA552997R0000	E90S 2P 20A C	553073	4TQA553073R0000	EP100 2P 20A D	668353	4TQA668353R0000	6
	25	E90S 2P 25A B	552998	4TQA552998R0000	E90S 2P 25A C	553074	4TQA553074R0000	EP100 2P 25A D	668354	4TQA668354R0000	6
	32	E90S 2P 32A B	552999	4TQA552999R0000	E90S 2P 32A C	553075	4TQA553075R0000	EP100 2P 32A D	668355	4TQA668355R0000	6
	40	E90S 2P 40A B	553000	4TQA553000R0000	E90S 2P 40A C	553076	4TQA553076R0000	EP100 2P 40A D	668356	4TQA668356R0000	6
	50	E90S 2P 50A B	553001	4TQA553001R0000	E90S 2P 50A C	553077	4TQA553077R0000	EP100 2P 50A D	668357	4TQA668357R0000	6
	63	E90S 2P 63A B	553002	4TQA553002R0000	E90S 2P 63A C	553078	4TQA553078R0000	EP100 2P 63A D	668358	4TQA668358R0000	6

E90S/EP100

10 kA : E90S/EP100

		B curve			C curve			D curve			Sum
Poles	In	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code	Pack
3P	0,5				E90S 3P 0,5A C	553082	4TQA553082R0000				4
	1				E90S 3P 1A C	553083	4TQA553083R0000				4
	2				E90S 3P 2A C	553084	4TQA553084R0000				4
	3				E90S 3P 3A C	553085	4TQA553085R0000				4
	4				E90S 3P 4A C	553086	4TQA553086R0000				4
	6	E90S 3P 6A B	553011	4TQA553011R0000	E90S 3P 6A C	553087	4TQA553087R0000	EP100 3P 6A D	668359	4TQA668359R0000	4
	10	E90S 3P 10A B	553013	4TQA553013R0000	E90S 3P 10A C	553089	4TQA553089R0000	EP100 3P 10A D	668361	4TQA668361R0000	4
	13	E90S 3P 13A B	553014	4TQA553014R0000	E90S 3P 13A C	553090	4TQA553090R0000				4
	16	E90S 3P 16A B	553015	4TQA553015R0000	E90S 3P 16A C	553091	4TQA553091R0000	EP100 3P 16A D	668362	4TQA668362R0000	4
	20	E90S 3P 20A B	553016	4TQA553016R0000	E90S 3P 20A C	553092	4TQA553092R0000	EP100 3P 20A D	668363	4TQA668363R0000	4
	25	E90S 3P 25A B	553017	4TQA553017R0000	E90S 3P 25A C	553093	4TQA553093R0000	EP100 3P 25A D	668364	4TQA668364R0000	4
	32	E90S 3P 32A B	553018	4TQA553018R0000	E90S 3P 32A C	553094	4TQA553094R0000	EP100 3P 32A D	668365	4TQA668365R0000	4
	40	E90S 3P 40A B	553019	4TQA553019R0000	E90S 3P 40A C	553095	4TQA553095R0000	EP100 3P 40A D	668366	4TQA668366R0000	4
	50	E90S 3P 50A B	553020	4TQA553020R0000	E90S 3P 50A C	553096	4TQA553096R0000	EP100 3P 50A D	668367	4TQA668367R0000	4
	63	E90S 3P 63A B	553021	4TQA553021R0000	E90S 3P 63A C	553097	4TQA553097R0000	EP100 3P 63A D	668368	4TQA668368R0000	4
3P+N	0,5				E90S 3P 0,5A C	553082	4TQA553082R0000				3
	1				E90S 3P 1A C	553083	4TQA553083R0000				3
	2				E90S 3P 2A C	553084	4TQA553084R0000				3
	3				E90S 3P 3A C	553085	4TQA553085R0000				3
	4				E90S 3P 4A C	553086	4TQA553086R0000	EP100 3P+N 4A D	668369	4TQA668369R0000	3
	6				E90S 3P 6A C	553087	4TQA553087R0000	EP100 3P+N 6A D	668370	4TQA668370R0000	3
	10				E90S 3P 10A C	553089	4TQA553089R0000	EP100 3P+N 10A D	668371	4TQA668371R0000	3
	13				E90S 3P 13A C	553090	4TQA553090R0000	EP100 3P+N 13A D	668372	4TQA668372R0000	3
	16				E90S 3P 16A C	553091	4TQA553091R0000	EP100 3P+N 16A D	668373	4TQA668373R0000	3
	20				E90S 3P 20A C	553092	4TQA553092R0000	EP100 3P+N 20A D	668374	4TQA668374R0000	3
	25				E90S 3P 25A C	553093	4TQA553093R0000	EP100 3P+N 25A D	668375	4TQA668375R0000	3
	32				E90S 3P 32A C	553094	4TQA553094R0000	EP100 3P+N 32A D	668376	4TQA668376R0000	3
	40				E90S 3P 40A C	553095	4TQA553095R0000	EP100 3P+N 40A D	668377	4TQA668377R0000	3
	50				E90S 3P 50A C	553096	4TQA553096R0000	EP100 3P+N 50A D	668378	4TQA668378R0000	3
	63				E90S 3P 63A C	553097	4TQA553097R0000				3
4P	0,5				E90S 4P 0,5A C	553101	4TQA553101R0000				3
	1				E90S 4P 1A C	553102	4TQA553102R0000				3
	2				E90S 4P 2A C	553103	4TQA553103R0000				3
	3				E90S 4P 3A C	553104	4TQA553104R0000				3
	4				E90S 4P 4A C	553105	4TQA553105R0000				3
	6				E90S 4P 6A C	553106	4TQA553106R0000				3
	10				E90S 4P 10A C	553108	4TQA553108R0000				3
	13				E90S 4P 13A C	553109	4TQA553109R0000				3
	16				E90S 4P 16A C	553110	4TQA553110R0000				3
	20				E90S 4P 20A C	553111	4TQA553111R0000				3
	25				E90S 4P 25A C	553112	4TQA553112R0000				3
	32				E90S 4P 32A C	553113	4TQA553113R0000				3
	40				E90S 4P 40A C	553114	4TQA553114R0000				3
	50				E90S 4P 50A C	553115	4TQA553115R0000				3
	63				E90S 4P 63A C	553116	4TQA553116R0000				3

Compact Miniature Circuit Breakers Series

The solution for space problems

EPC60 compact miniature circuit breakers have been developed to reduce panel size to a minimum and improve 6kA electrical installations.

Reduce up to 50% of space in your installation

Innovative design

- 1P+N, 1P+1P and 2P in 1 module; 3P and 4P in 2 modules

Main Advantage

- 100% compatible with all power distribution accessories and auxiliaries
- 100% quality and reliability as per EN 60898-1 and EN 60947-2

Principal characteristics:

- Rated current In 6A-40A
- Rated AC voltage Un (V) 240/415
- Minimum operating voltage UBmin (V) 12
- Magnetic-thermal trip curve C
- Selectivity 3
- No. of mechanical/electrical operations 20000/10000
- Tropicalization according to EN/IEC 60068-2 55°C at 95% RH
- Terminal cap. flexible/rigid cable 10-16 mm²
- Poles 1P+N, 1P+1P, 2P, 3P, 4P

EPC 61N Series

6000 6kA

Compact magnetic-thermal circuit breakers 1P+N

		B curve			C curve			
	In	Product description	6 digit	Order code	Product description	6 digit	Order Code	Sum Pack
1P+N 1 mod.	6	EPC61N B06	694277	4TQA694277R0000	EPC61N C06	694393	4TQA694393R0000	12
	10	EPC61N B10	694278	4TQA694278R0000	EPC61N C10	694394	4TQA694394R0000	12
	13	EPC61N B13	694279	4TQA694279R0000	EPC61N C13	694395	4TQA694395R0000	12
	16	EPC61N B16	694280	4TQA694280R0000	EPC61N C16	694396	4TQA694396R0000	12
	20	EPC61N B20	694281	4TQA694281R0000	EPC61N C20	694397	4TQA694397R0000	12
	25	EPC61N B25	694282	4TQA694282R0000	EPC61N C25	694398	4TQA694398R0000	12
	32	EPC61N B32	694283	4TQA694283R0000	EPC61N C32	694399	4TQA694399R0000	12
	40	EPC61N B40	694284	4TQA694284R0000	EPC61N C40	694400	4TQA694400R0000	12

Approvals

Specifications

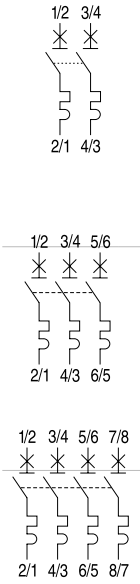
Rated current In	(A)	6-40
Rated voltage in AC Un	(V)	230
Minimum operating voltage U^{Bmin}	(V)	12
Magnetic-thermal trip curves		B, C
Selectivity		3
No. of mechanical/electrical operations		20000/10000
Tropicalization according to EN/IEC 60068-2		55°C at 95% RH
Terminal cap. flexible/rigid cable	(mm^2)	10-16
Poles		1P+N (1 mod.)
Weight	(g/mod)	125

EPC 60 Series

6000 10kA*

Compact magnetic-thermal circuit breakers 2P, 3P, 4P

		In (A)	Product description	6 digit	Order code	Sum. (pcs)
2P 1 mod.		6	EPC62 B06	693673	4TQA693673R0000	12
		10	EPC62 B10	693674	4TQA693674R0000	12
		13	EPC62 B13	694950	4TQA694950R0000	12
		16	EPC62 B16	693675	4TQA693675R0000	12
		20	EPC62 B20	693676	4TQA693676R0000	12
		25	EPC62 B25	693677	4TQA693677R0000	12
		32	EPC62 B32	693827	4TQA693827R0000	12
		40	EPC62 B40	694954	4TQA694954R0000	12
3P 2 mod.		6	EPC63 B06	693828	4TQA693828R0000	6
		10	EPC63 B10	693829	4TQA693829R0000	6
		13	EPC63 B13	694951	4TQA694951R0000	6
		16	EPC63 B16	693830	4TQA693830R0000	6
		20	EPC63 B20	693831	4TQA693831R0000	6
		25	EPC63 B25	694264	4TQA694264R0000	6
		32	EPC63 B32	694265	4TQA694265R0000	6
4P 2 mod.		6	EPC64 B06	694266	4TQA694266R0000	6
		10	EPC64 B10	694267	4TQA694267R0000	6
		16	EPC64 B16	694268	4TQA694268R0000	6
		20	EPC64 B20	694269	4TQA694269R0000	6
		25	EPC64 B25	694270	4TQA694270R0000	6
		32	EPC64 B32	694271	4TQA694271R0000	6



Approvals

Specifications

Rated current In	(A)	6-40
Rated voltage in AC Un	(V)	240/415
Minimum operating voltage U^{Bmin}	(V)	12
Magnetic-thermal trip curves		B,C
Selectivity		3
No. of mechanical/electrical operations		20000/10000
Tropicalization according to EN/IEC 60068-2		55°C at 95% RH
Terminal cap. flexible/rigid cable	(mm^2)	10-16
Poles		2, 3, 4
Weight	(g/mod)	160

EPC 611 Series

Specifications

Rated current In	(A)	6-20
Rated voltage in AC Un	(V)	230(1)
Minimum operating voltage U^{Bmin}	(V)	12
Magnetic-thermal trip curves		B,C
Selectivity		3
No. of mechanical/electrical operations		20000/10000
Tropicalization according to EN/IEC 60068-2		55°C at 95% RH
Terminal cap. flexible/rigid cable	(mm^2)	10-16(2)
Poles		1P+1P (1 mod.)
Weight	(g/mod)	125

Compact magnetic-thermal circuit breakers 1P+1P

		B curve			C curve			
Poles	In	Product description	6 digit	Order code	Product description	6 digit	Order code	Sum Pack
1P+1P in 1mod	6	EPC611 B06	694272	4TQA694272R0000	EPC611 C06	694388	4TQA694388R0000	12
	10	EPC611 B10	694273	4TQA694273R0000	EPC611 C10	694389	4TQA694389R0000	12
	13	EPC611 B13	694274	4TQA694274R0000	EPC611 C13	694390	4TQA694390R0000	12
	16	EPC611 B16	694275	4TQA694275R0000	EPC611 C16	694391	4TQA694391R0000	12
	20	EPC611 B20	694276	4TQA694276R0000	EPC611 C20	694392	4TQA694392R0000	12

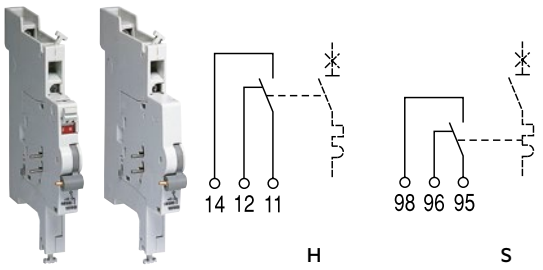
Approvals

(1) Supply of one phase or the same phase in three-phase systems.
(2) It also allows (2x4mm²) or (1x4mm²)+(1x6mm²)

CA UN Series

Unibis Interface

	Function	Description	Type	Order code	Sum. (pcs)
1/2 mod.	H	CA UN H	670897	4TQA670897R0000	1/40
	S/H	CA UN S/H	670896	4TQA670896R0000	1/40



EFI/DFI Series
Protection of persons

Residual Current Circuit Breakers allow the detection of ground leakage currents, ensuring protection against indirect contacts. They must be used in series with an automatic circuit breaker or fuse protecting them from potential overcurrent.

AEG's EFI/DFI Residual Current Circuit Breakers range has a wide range of applications. From the usual AC type to high immunity differentials, all in currents between 25A and 100A.

Main Advantage

- Highest guaranteed reliability.
- Complete range of models and related accessories.

Applications

- Tertiary sector
- Partly industrial applications

Principal characteristics:

- AC, A, Ai available to secure against ground-fault currents of any kind.
- Rated currents from 16 A up to 100 A.
- Nominal sensitivities IΔn of 10, 30mA, 300mA.
- The EFI/DFI range of residual current switches is according to the product standard IEC/EN 61008-1
- Additional protection for installations and buildings
- 2P and 4P configurations
- High resistance against unwanted tripping
- Auxiliary contacts can be installed

Series	EFI/DFI	DOC for E/EP
Relevant regulations	EN 61008-1	EN 61009-1
Class	A,AC,Ai	AC, S
Opening time at IΔn		
instantaneous (ms)	< 40	< 40
selective (ms)	> 150	> 150
Rated current (A)	25, 40, 63, 80, 100	32, 63
Sensitivity IΔn (mA)	30,100,300	30, 300
Reference temperature (°C)	30	30
Poles	2P-4P	2P-4P
Rated voltage		
2P AC (V)	230	230/400
3P, 4P AC (V)	230/400	230/400
Frequency (Hz)	50/60	50/60
Maximum operating voltage Ub max (V)	2P = 265 / 4P = 455	455
Minimum operating voltage Ub min (V)	2P = 117 / 4P = 180	180
Feed	up/down	-
Selectivity	-	-
Making and breaking capacity Im (A)	500 (or 10 x In)	according to associated breaker
Differential making and breaking capacity IΔm (A)	500 (or 10 x In)	according to associated breaker
Conditioned short-circuit capacity Inc (A)	10,000 80A fuse	-
Conditioned differential short-circuit cap. IΔ c (A)	10.000	-
Short Circuit Resistance Icn (A)	-	according to associated breaker
Safety distance (mm)	35	-
Suitable as disconnector	Yes	no
Insulation class		
insulation voltage (V)	500	500
voltage impulse (1.2/50 µs) (kV)	6	6
insulation resistance (mOhm)	1.000	1.000
dielectric strength (V)	2.500	2.500
Shock resistance (axes x, y, z)	40g, 18 shocks 5 ms	40g, 18 shocks 5 ms
No of maximum		
electrical operations	10.000	10.000
mechanic	20.000	20.000
Degree of protection (without panel/with panel)	IP20/IP40	IP20/IP40
Self-extinguishing degree (according to UL 94)	V2	V2
Tropicalization (according to EN 60068-2, DIN 40046)	95% R.H at 55°C	95% R.H at 55°C
Degree of pollution	3	3
Operating temperature (°C)	Class A: -25 to +60/AC class: -5 to 60	Class A: -25 to +60 /AC Class: -5 to 60
Storage temperature (°C)	-25 to +70	-25 to +70
Sections		
rigid cable min (1)/max (up) (mm2)	1.5/50	1/25
flexible cable min/max (up) (mm2)	1.5/35	1/16
rigid cable min/max (down) (mm2)	1.5/50	1/35
flexible cable min (1)/max (down) (mm2)	1.5/35	1/25
Tightening torque (Nm)	5/5	-/4.5
Electrical Auxiliaries		
auxiliary contacts (CA, CB)	Yes	yes (attached with EP)
minimum voltage coil (Tele U)	Yes	yes (attached with EP)
trip coil (Tele L)	Yes	yes (attached with EP)
motor control (Tele MP)	Yes	yes (attached with EP)
panel opening disconnector (PBS)	Yes	yes (attached with EP)
Fork connection system (up/down)	no/yes	-
(joint bridges) with tab (up/down)	yes/yes	-
Accessories	Yes	no
Dimensions per module (H x L x P) 86 x 68 x P (mm)	36	36/36 (72)/36(72)
Weight per module (g)	2P = 250 / 4P = 368	2P: 250 / 4P: 340

Class AC

Class A

Approvals/Marking

Specifications

Rated current In	25, 40, 63, 80, 100A
Sensitivity IΔn	30, 100, 300mA
Rated voltage in AC Un	2P: 230V, 4P: 230/400V
Minimum operating voltage U_{Bmin}	2P: 117V; 176V for 30mA, 4P: 205V; 217V for 30mA
No. of mechanical/ electrical operations	20000/10000
Tropicalization according to EN 60068-2	95% R.H at 55°C
Terminal cap. flexible/rigid cable	35-50mm²
Poles	2, 4
Shock wave resistance	Class A, AC: 250A 8/20µs
Ambient temperature variation	Class AC: -5 to 40°C
Weight	2P: 250 g, 4P: 368 g

Differential switch - EFI/DFI Series - Class AC (for alternating current)

		30 mA			100 mA			300 mA		
Poles	In	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code
2P Class AC	25	DFI25/030-2	607130	4TQA607130R0000	EFI25/100-2	604455	4TQA604455R0000	DFI25/300-2	607132	4TQA607132R0000
	40	DFI40/030-2	607131	4TQA607131R0000	EFI40/100-2	604456	4TQA604456R0000	DFI40/300-2	607133	4TQA607133R0000
	63	EFI63/030-2	604449	4TQA604449R0000	EFI63/100-2	604457	4TQA604457R0000	EFI63/300-2	604465	4TQA604465R0000
	80									
	100									
4P Class AC	25	EFI25/030-4	604523	4TQA604523R0000	EFI25/100-4	604531	4TQA604531R0000	EFI25/300-4	604539	4TQA604539R0000
	40	EFI40/030-4	604524	4TQA604524R0000	EFI40/100-4	604532	4TQA604532R0000	EFI40/300-4	604540	4TQA604540R0000
	63	EFI63/030-4	604525	4TQA604525R0000	EFI63/100-4	604533	4TQA604533R0000	EFI63/300-4	604541	4TQA604541R0000
	80	EFI80/030-4	604526	4TQA604526R0000						
	100	EFI100/030-4	604527	4TQA604527R0000						

Differential switch - DFI/EFI Series - Class A (for AC and pulsating DC)

		30 mA			100 mA			300 mA		
Poles	In	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code
2P Class A	25	EHFI25/030-2	604942	4TQA604942R0000				EHFI25/300-2	604416	4TQA604416R0000
	40	EHFI40/030-2	604943	4TQA604943R0000				EHFI40/300-2	604417	4TQA604417R0000
	63	EHFI63/030-2	604944	4TQA604944R0000				EHFI63/300-2	604418	4TQA604418R0000
	80							EHFI80/300-2	604419	4TQA604419R0000
	100							EHFI100/300-2	604420	4TQA604420R0000
4P Class A	25	EHFI25/030-4	604478	4TQA604478R0000				EHFI25/300-4	604493	4TQA604493R0000
	40	EHFI40/030-4	604479	4TQA604479R0000	EHFI40/100-4	604484	4TQA604484R0000	EHFI40/300-4	604494	4TQA604494R0000
	63	EHFI63/030-4	604480	4TQA604480R0000				EHFI63/300-4	604495	4TQA604495R0000
	80							EHFI80/300-4	604496	4TQA604496R0000
	100							EHFI100/300-4	604497	4TQA604497R0000
4P neutral left Class A	40	BPL A/4 40/0,03	605793	4TQA605793R0000						

Class Ai

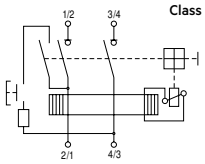
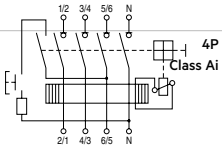
Specifications

Rated current In	25, 40, 63
Sensitivity IΔn	30 mA
Rated voltage in AC Un	2P: 230V, 4P: 230/400V
Minimum operating voltage $U_{B\,min}$	2P: 117V; 176V for 30mA 4P: 205V; 217V for 30mA
No. of mechanical/ electrical operations	20000/10000
Tropicalization according to EN 60068-2	95% R.H at 55°C
Terminal cap. flexible/rigid cable	35-50mm²
Poles	2, 4
Shock wave resistance	Class Ai: 3000A 8/20 µs 0.5 µs - 100kHz - 200A
Ambient temperature variation	-25 to 40°C
Weight	2P: 275 g, 4P: 393 g

Markings

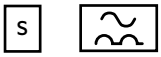
CE

Differential Circuit Breaker - DFI/EFI Series - Class Ai (High Immunity)

		30 mA		
Poles	**In**	**Product description**	**6 digit**	**Order code**
2P Class Ai 	25	EHFI 25/030-2i	605120	4TQA605120R0000
	40	EHFI40/030-2I	605121	4TQA605121R0000
	63	EHFI63/030-2I	605122	4TQA605122R0000
	80			
	100			
4P Class Ai 	25	EHFI25/030-4I	605123	4TQA605123R0000
	40	EHFI40/030-4I	605124	4TQA605124R0000
	63	EHFI63/030-4I	605125	4TQA605125R0000
	80			
	100			

Diff-o-Click for E/EP Series

EN 60898

Class AC Class S 

Short-circuit characteristics

		Magnetic-thermal circuit breaker	
According to the associated magnetic-thermal circuit breaker		E90/EP60	E90S/EP100
Differential making and breaking capacity	IΔm	6000A	7500A
Short-circuit capability	Icn	6000A	10000A

Specifications

Rated current In	32, 63A
Sensitivity IΔn	30, 100, 300 mA
Rated voltage in AC Un	2P: 230/400V, 4P: 400V
Minimum operating voltage $U_{B\,min}$ (30mA: 2P = 176V; 4P = 287V)	2P: 180V, 4P: 180V
No. of mechanical/electrical operations	20000/10000
Tropicalization according to EN 60068-2	95% R.H at 55°C
Terminal cap. flexible/rigid cable	2P 32 and 63A: 25-35mm² 4P 2 mod. 32A: 16mm² 4P 32 and 63A 4 mod.: 25-35mm²
Poles	2, 4
Shock wave resistance	AC: 250A 8/20µs Class S: 3000A 8/20µs 0.5 µs - 100kHz - 200A
Ambient temperature variation	AC class: -5 to 40°C Class A, S: -25 to 40°C
Weight	2P: 250g, 4P: 340g

DOC Series

Class AC

AC class (for AC)

Type AC	In	30mA		
Poles		**Product description**	**6 digit**	**Order code**
2P in 2 mod	32	DOC AC-2 32-0,03	604848	4TQA604848R0000
	63	DOC AC-2 63-0,03	604853	4TQA604853R0000
4P in 2 mod	32	DOC AC-4-2 32-0,03	604895	4TQA604895R0000
4P in 4 mod	63	DOC AC-4-4 63-0,03	604923	4TQA604923R0000

Type AS		30mA		
Poles	**In**	**Product description**	**6 digit**	**Order code**
4P 4 mod.	63	DOC AS-2 63-0,3	604845	4TQA604845R0000

DOCS Series

Class S

Class S (for AC and pulsating DC)

		300mA			
	In (A)	**Description**	**Type**	**Order code**	**Sum. (pcs)**
2P 2 mod.	63	DOCS 263/300	604845	4TQA604845R0000	1

Residual Current Circuit Breakers with Overcurrent Protection

The wide Residual Current Circuit Breakers with Overcurrent Protection (RCBO) range consists of the following product lines:

- **HD90/D90 Series**: RCBO
  6 kA curve B and C, class A/AC and 30 mA sensitivity.
  Polarity: 1P+N in 2 modules.
- **DMA63Nplus Series**: RCBO
  6 kA curve B and C, class A
  and 30 mA sensitivity. Polarity: 3P+N in 4 modules.
- **DPC100**: RCBO
  10 kA in curve B and C, class AC and A with 10, 30 sensitivity.
  Polarity: 2P in 2 modules.
- **DEC90/DECA90:** compact Electronic RCBO, 6 kA in curve B and C, class AC, A with 30 mA sensitivity. Polarity: 1P+N in 1 module Neutral Switched
- DME100: long body Electronic RCBO, 10 kA in curve C, class AC with 30 mA sensitivity. Polarity 1P+N in 1 Module Neutral Unswitched.

Main Advantage

- Highest guaranteed reliability
- All differential magnetic-thermal circuit breakers comply with the product standard IEC/EN 61009-1
- Complete range of models and related accessories

Applications

- Tertiary sector
- Partly industrial applications

D90/HD90 Series

Differential magnetic-thermal breaker - Type AC - D90

		B curve			C curve					
		30 mA			30 mA			300 mA		
Poles	In (A)	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code
1P+N in 2mod	6	RCBO B/D90 AC 06/0,03	604647	4TQA604647R0000	RCBO C/D90 AC 06/0,03	604678	4TQA604678R0000	RCBO C/D90 AC 06/0,3	604696	4TQA604696R0000
	10				RCBO C/D90 AC 10/0,03	604679	4TQA604679R0000	RCBO C/D90 AC 10/0,3	604697	4TQA604697R0000
	13	RCBO B/D90 AC 13/0,03	604650	4TQA604650R0000						
	16	RCBO B/D90 AC 16/0,03	604651	4TQA604651R0000	RCBO C/D90 AC 16/0,03	604681	4TQA604681R0000	RCBO C/D90 AC 16/0,3	604699	4TQA604699R0000
	20				RCBO C/D90 AC 20/0,03	604682	4TQA604682R0000	RCBO C/D90 AC 20/0,3	604700	4TQA604700R0000
	25	RCBO B/D90 AC 25/0,03	604652	4TQA604652R0000	RCBO C/D90 AC 25/0,03	604683	4TQA604683R0000	RCBO C/D90 AC 25/0,3	604701	4TQA604701R0000
	32	RCBO B/D90 AC 32/0,03	604653	4TQA604653R0000	RCBO C/D90 AC 32/0,03	604684	4TQA604684R0000	RCBO C/D90 AC 32/0,3	604702	4TQA604702R0000
	40	RCBO B/D90 AC 40/0,03	604654	4TQA604654R0000	RCBO C/D90 AC 40/0,03	604685	4TQA604685R0000			

Differential magnetic-thermal breaker - Type A - HD90

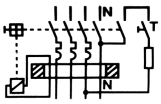
		B curve			C curve					
		30 mA			30 mA			300 mA		
Poles	In (A)	Product description	6 digit	Order code	Product description	6 digit	Order code	Product description	6 digit	Order code
1P+N in 2mod	6	RCBO B/HD90 A 06/0,03	604585	4TQA604585R0000	RCBO C/HD90 A 06/0,03	604616	4TQA604616R0000			
	10	RCBO B/HD90 A 10/0,03	604586	4TQA604586R0000	RCBO C/HD90 A 10/0,03	604617	4TQA604617R0000	RCBO C/HD90 A 10/0,3	604635	4TQA604635R0000
	13	RCBO B/HD90 A 13/0,03	604587	4TQA604587R0000	RCBO C/HD90 A 13/0,03	604618	4TQA604618R0000			
	16	RCBO B/HD90 A 16/0,03	604588	4TQA604588R0000	RCBO C/HD90 A 16/0,03	604619	4TQA604619R0000	RCBO C/HD90 A 16/0,3	604637	4TQA604637R0000
	20	RCBO B/HD90 A 20/0,03	604589	4TQA604589R0000	RCBO C/HD90 A 20/0,03	604620	4TQA604620R0000	RCBO C/HD90 A 20/0,3	604638	4TQA604638R0000
	25	RCBO B/HD90 A 25/0,03	604590	4TQA604590R0000	RCBO C/HD90 A 25/0,03	604621	4TQA604621R0000	RCBO C/HD90 A 25/0,3	604639	4TQA604639R0000
	32	RCBO B/HD90 A 32/0,03	604591	4TQA604591R0000	RCBO C/HD90 A 32/0,03	604622	4TQA604622R0000	RCBO C/HD90 A 32/0,3	604640	4TQA604640R0000
	40	RCBO B/HD90 A 40/0,03	604592	4TQA604592R0000	RCBO C/HD90 A 40/0,03	604623	4TQA604623R0000			

DMA63Nplus

Class A

Differential magnetic-thermal breaker - 6kA - Class A - Curve C

	In	Curve B			Curve C			Sum.
	(A)	Description	Type	Order code	Description	Type	Order code	(pcs)
3P+N 4 mod.	6	DMA63NpB06/030	565439	2CSR256154R1065	DMA63NpC06/030	565413	2CSR256154R1064	1
	10	DMA63NpB10/030	565407	2CSR256154R1105	DMA63NpC10/030	565414	2CSR256154R1104	1
	16	DMA63NpB16/030	565409	2CSR256154R1165	DMA63NpC16/030	565416	2CSR256154R1164	1
	20	DMA63NpB20/030	565410	2CSR256154R1205	DMA63NpC20/030	565417	2CSR256154R1204	1
	25	DMA63NpB25/030	565411	2CSR256154R1255	DMA63NpC25/030	565418	2CSR256154R1254	1
	32	DMA63NpB32/030	565412	2CSR256154R1325	DMA63NpC32/030	565419	2CSR256154R1324	1



CAH DMA63N Series

Auxiliary contacts

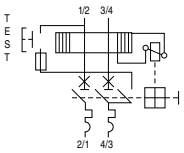
	Function	Description	Type	Order code	Sum. (pcs)
Left mounting, 1NO + 1NC	H	DMA63Np A H	565429	2CSR200154R0000	1

DPC100 Series

Class AC

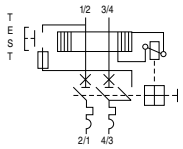
Class A

Differential magnetic-thermal breaker - 10kA - Class AC - Curve C



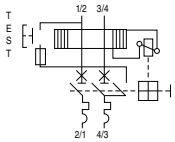
Poles	In	10mA Product description	6 digit	Order code
2P in 2mod	6			
	10	DPC100 AC C10/010	611524	4TQA611524R0000
	13			
	16	DPC100 AC C16/010	611525	4TQA611525R0000
	20			
	25			
	32			
	40			

Differential magnetic-thermal breaker - 10kA - Class A - Curve B



Poles	In	10mA Product description	6 digit	Order code	30mA Product description	6 digit	Order code
2P in 2mod	6				DPC100 A B06/030	611486	4TQA611486R0000
	10				DPC100 A B10/030	611487	4TQA611487R0000
	10 (230V)				DPC100 A B10/030 NO	611488	4TQA611488R0000
	13				DPC100 A B13/030	611489	4TQA611489R0000
	16				DPC100 A B16/030	611490	4TQA611490R0000
	16 (230V)	DPC100 A B16/010	611485	4TQA611485R0000	DPC100 A B16/030 NO	611491	4TQA611491R0000
	20				DPC100 A B20/030	611492	4TQA611492R0000
	20 (230V)				DPC100 A B20/030 NO	611493	4TQA611493R0000
	25				DPC100 A B25/030	611494	4TQA611494R0000
	32				DPC100 A B32/030	611495	4TQA611495R0000
	40				DPC100 A B40/030	611496	4TQA611496R0000

Differential magnetic-thermal breaker - 10kA - Class A - Curve C



Poles	In	10mA Product description	6 digit	Order code	30mA Product description	6 digit	Order code
2P in 2mod	6				DPC100 A C06/030	611510	4TQA611510R0000
	10	DPC100 A C10/010	611508	4TQA611508R0000	DPC100 A C10/030	611511	4TQA611511R0000
	10 (230V)				DPC100 A C10/030 NO	611512	4TQA611512R0000
	13				DPC100 A C13/030	611513	4TQA611513R0000
	16	DPC100 A C16/010	611509	4TQA611509R0000	DPC100 A C16/030	611514	4TQA611514R0000
	16 (230V)				DPC100 A C16/030 NO	611515	4TQA611515R0000
	20				DPC100 A C20/030	611516	4TQA611516R0000
	20 (230V)				DPC100 A C20/030 NO	611517	4TQA611517R0000
	25				DPC100 A C25/030	611518	4TQA611518R0000
	32				DPC100 A C32/030	611519	4TQA611519R0000
	40				DPC100 A C40/030	611520	4TQA611520R0000

DEC90/DECA90 Neutral Switched Series

Class AC

Class A

Type AC

		B curve			C curve		
		10mA			30mA		
Poles	In	Product description	6 digit	Order code	Product description	6 digit	Order code
1P+N in 1mod, NS	6				DEC90C06/030NS	694908	4TQA694908R0000
	10				DEC90C10/030NS	694909	4TQA694909R0000
	16				DEC90C16/030NS	694910	4TQA694910R0000
	20				DEC90C20/030NS	694911	4TQA694911R0000
	25				DEC90C25/030NS	694912	4TQA694912R0000
	32				DEC90C32/030NS	694913	4TQA694913R0000

Type A

		B curve			C curve		
		30 mA			30mA		
Poles	In	Product description	6 digit	Order code	Product description	6 digit	Order code
1P+N in 1mod		DECA90B06/030NS	694858	4TQA694858R0000	DECA90C06/030NS	694865	4TQA694865R0000
		DECA90B10/030NS	694859	4TQA694859R0000	DECA90C10/030NS	694866	4TQA694866R0000
		DECA90B13/030NS	694860	4TQA694860R0000			
		DECA90B16/030NS	694861	4TQA694861R0000	DECA90C16/030NS	694868	4TQA694868R0000
		DECA90B20/030NS	694862	4TQA694862R0000	DECA90C20/030NS	694869	4TQA694869R0000
		DECA90B25/030NS	694863	4TQA694863R0000	DECA90C25/030NS	694870	4TQA694870R0000
		DECA90B32/030NS	694864	4TQA694864R0000	DECA90C32/030NS	694871	4TQA694871R0000

DME100 Series

Class AC

Type AC

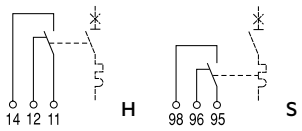
		C curve		
		30 mA		
Poles	In	Product description	6 digit	Order code
1P+N in 1mod, Unswitched Neutral	6	DME100 AC C6/0,03	605482	4TQA605482R0000
	10	DME100 AC C10/0,03	605483	4TQA605483R0000
	16	DME100 AC C16/0,03	605484	4TQA605484R0000
	20	DME100 AC C20/0,03	605485	4TQA605485R0000
	25	DME100 AC C25/0,03	605486	4TQA605486R0000
	32	DME100 AC C32/0,03	605487	4TQA605487R0000
	40	DME100 AC C40/0,03	605488	4TQA605488R0000

Auxiliaries

For Series E9/EP, DFI/EFI,HD9/D90, DPC, EPC(1)

CA Series

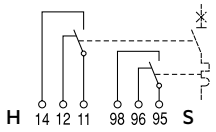
Auxiliary contacts



	Function	Description	Type	Order code	Sum. (pcs)
1/2 mod.	H	CA H	567823	4TQA567823R0000	1
	S/H	CA S/H	567824	4TQA567824R0000	1

CB Series

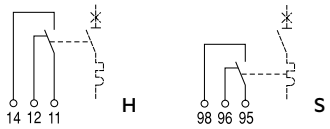
Auxiliary contacts



	Function	Description	Type	Order code	Sum. (pcs)
1/2 mod.	SH/HH	CB SH/HH-R(1)	670900	4TQA670900R0000	1
	SH/HH	CB SH/HH-L(2)	670899	4TQA670899R0000	1

(1) R = right mounting
(2) L = left mounting

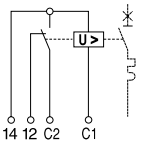
CA UN



	Function	Description	Type	Order code	Sum. (pcs)
1/2 mod.	H	CA UN H	670897	4TQA670897R0000	1/40
	S/H	CA UN S/H	670896	4TQA670896R0000	1/40

Tele L

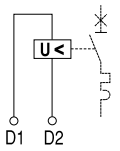
Trip coil



	Function	Description	Type	Order code	Sum. (pcs)
1P	AC 24-60V DC 24-48V	TELE L-1	670903	4TQA670903R0000	1
1 mod.	AC 110-415V DC 110-125V	TELE L-2	670902	4TQA670902R0000	1

Tele U

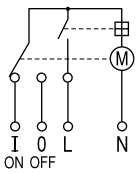
Minimum voltage coil



	Function	Description	Type	Order code	Sum. (pcs)
1P	AC 230V	TELE U-230	567826	4TQA567826R0000	1
1 mod.	AC/DC 12V	TELE U-12	567825	4TQA567825R0000	1
	AC/DC 24V	TELE U-24	567827	4TQA567827R0000	1
	AC/DC 48V	TELE U-48	567828	4TQA567828R0000	1

Tele MP

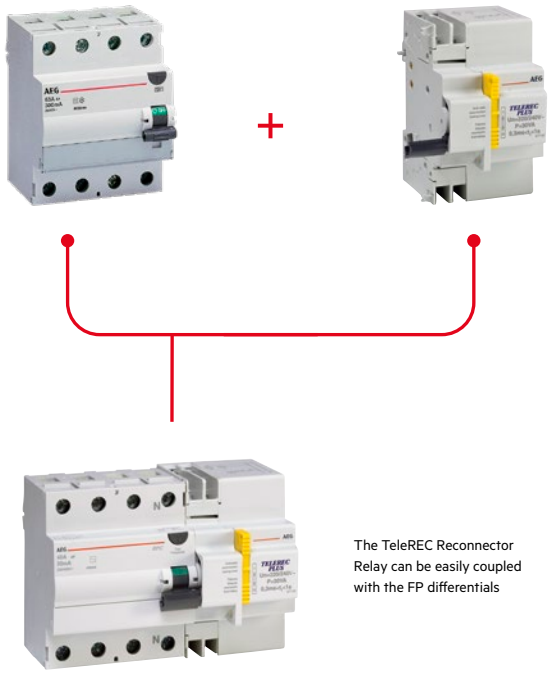
Motor control



	Function	Description	Type	Order code	Sum. (pcs)
3 mod.	AC 230V	TELE MP	670901	4TQA670901R0000	1

TeleREC

Automatic reconnection systems
for residual current switches



The TeleREC Reconnector Relay can be easily coupled with the FP differentials

TeleREC Plus Series

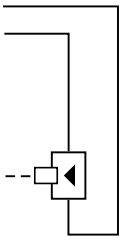
For industrial applications

Specifications

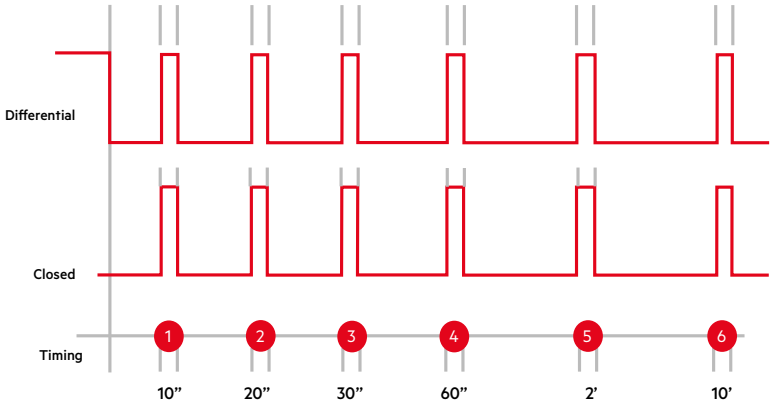
Rated voltage Un AC	(V)	220/400
Frequency	(Hz)	50/60
No. of reconnections		6
Reconnect cycles	(sec)	10, 20, 30, 60, 120, 600
Auxiliary contact	Imax	2A (250Vac or 24Vdc)
IMin (Auxiliary Contact)	(mA)	20
Remote control		Manual reconnection with lever
Weight	(g)	358

TeleREC Plus Series

	Type	Code		Sum. (pcs)
3 mod.	Tele REC PLUS Motor	677144	4TQA677144R0000	1



Reconnect cycles



Markings

CE

03

High Performance Miniature Circuit Breakers

E880+

Space saving.
High breaking capacity.

The new E880+ range offers high breaking capacity, magnetic-thermal circuit breakers up to 25 kA in modular format and with C tripping characteristics. Within this new range, for example, E880+ 25 offers breaking capacities up to 25 kA with rated currents between 80A and 125A.

- **Space saving.** Switchboard size reduction with high breaking capacity circuit breakers in modular form.
- **More Power**. Up to 25kA breaking capacity.
- **High rated** currents up to 125A.
- **More Safety.** Selectivity and relation tables with modular AEG switchgear and Tmax load break switches from ABB.
- **More Comfort.** Compact, modular and easy to assemble with a plastic tab on IP20 terminals.
- **Increased flexibility.** With its complete range, E880+ is suitable for a wide range of applications.

Applications

Public buildings with high throughput
Schools, hospitals, office building ...: wherever there is a large number of people passing through, and a reliable power supply is needed. High performance E880+ magnetic-thermal circuit breakers for the protection of goods and persons in the event of overloads and short-circuits.

Airports
Millions of people pass through airports every day. High breaking capacity E880+ magnetic-thermal circuit breakers guarantee complete overload and short-circuit protection.

Alternative energies
More and more power plants use solar as a primary generation source worldwide. The E880+ range of magnetic-thermal circuit breakers ensures the generation of electrical power safely and reliably in this type of plant.

Power plants
With a total of more than 3,400,000 megawatts of energy, power plants across make the world go round. High breaking capacity E880+ magnetic-thermal circuit breakers protect infrastructure, personnel, machines and auxiliary equipment involved in the production of electricity.

The petrochemical industry
The chemical and petrochemical industry significantly contributes to the objects we use in modern-day life.
We can already find them in the sectors of health, nutrition, fashion or mobility, this industry's products ensure a better quality of life. High breaking capacity E880+ magnetic-thermal circuit breakers protect both offshore oil platforms and onshore transformation plants.

The steel industry
From large bridges kilometers long, to large turbines of power plants subject to extreme loads or elegant skyscrapers, steel plays a very important role in the modern industry, with almost unlimited uses. The E880+ high breaking capacity magnetic-thermal circuit breakers are the most suitable ones for the steel transformation industry.

Complete functionality
Differential blocks, Combined differentials, auxiliaries, minimum coils, trip coils and rotary control provide complete functionality to the E880+ range.

Series		E880+16	E880+25
Relevant regulations		EN/IEC 60898-1	EN/IEC 60898-1
Magnetic-thermal trip curves		B,C,D	B,C,D
Rated current (A)		80-125A	80-125A
Reference temperature (°C)		30	30
Poles		1/2/3/4	1/2/3/4
Protected neutral		-	-
Rated voltage			
AC	1P (V)	230/400	240/415
	2P (V)	400	415
	3P/3P+N/4P (V)	400	415
DC	1P(1) (Vdc)	-	125
	2P (in series)(1) (Vdc)	-	250
Frequency (Hz)		50/60	50/60
Maximum operating voltage Ubmax (V)		244/424	254/440Vac
Minimum operating voltage Ubmin (V)		12Vac	12Vdc
Suitable as disconnector (EN 60947-2)		yes	yes
Insulation voltage Ui			
pollution degree 2 (V)		500	500
pollution degree 3 (V)		440	440
Voltage impulse (Uimp) (kV)		6	8
Insulation resistance (MOhm)		10000	10000
Dielectric strength (kV)		2.5	2.5
Shock resistance (on axes x, y, z) (g)		3g	3g
Maximum number of electrical operations at Un; In		1500/1000	6000/4000
mechanic		10000/8000	10000
Use category (EN 60947-2)		A	A
Degree of protection (with/without enclosure with door)		IP20/IP40	IP20/IP40
Self-extinguishing degree (according to UL 94)		V2	V2
Tropicalization (according to EN 60068-2, DIN 40046)		+55°C/95%	RH
Operating temperature (°C)		-25-60	-25-60
Storage temperature (°C)		-40....+70	-40....+70
Sections			
rigid cable min/max (up) (mm2)		1...50	1...50
flexible cable min(2)/max (up) (mm2)		1....70	1....70
rigid cable min/max (down) (mm2)		1....50	1....50
flexible cable min(2)/max (down) (mm2)		1....70	1....70
Tightening torque (Nm)		3.5	3.5
Electrical Auxiliaries			
auxiliary contacts (CA, CB)		E880+ A H	E880+ A H
minimum voltage coil (Tele U)		NUVR+	NUVR+
trip coil (Tele L)		F+	F+
motor control (Tele MP)		no	no
panel opening disconnector (PBS)		no	no
Fork connection system (up/down)		-	-
(joint bridges) with tab (up/down)		-	-
Accessories		yes	yes
Dimensions per module (H x L x P) 86 x 68 x P (mm)		86 x 68 x 27	86 x 68 x 27
Weight per module (gr/mod) (g)		210	210

E880+ 16 Series

EN/IEC 60898-1 **10,000**

EN/IEC 60947-2 **16kA**

Specifications

Rated current In	(A)	80-125
Rated voltage AC Un	(V)	CA 230/400
Magnetic-thermal trip curves		C
No. of mechanical/ electrical operations		80-100A: 10,000/1,500 125A: 8,000/1,000
Operating temperature		-25°C to 60°C
Terminal cap. flexible/rigid cable	(mm^2)	70-50
Minimum operating voltage U_{Bmin}	(V)	12 AC
Frequency	(Hz)	50/60
Poles		1, 2, 3, 4
Weight	(g/mod)	240

Markings

CE

		In (A)	Description	Type	Order code	Sum. (pcs)
1P 1.5 mod.	**Curve C**	80	E880+ 161C80	664817	2CCG000268R0001	1
		100	E880+ 161C100	664816	2CCG000267R0001	1
		125	E880+ 161C125	664815	2CCG000266R0001	1
	Curve B	80	E880+ 161B80	664877	2CCG000294R0001	1
		100	E880+ 161B100	664876	2CCG000293R0001	1
		125	E880+ 161B125	664875	2CCG000292R0001	1
	Curve D	80	E880+ 161D80	664937	2CCG000321R0001	1
		100	E880+ 161D100	664936	2CCG000320R0001	1
		125	E880+ 161D125	664935	2CCG000319R0001	1
2P 3 mod.	**Curve C**	80	E880+ 162C80	664814	2CCG000265R0001	1
		100	E880+ 162C100	664813	2CCG000264R0001	1
		125	E880+ 162C125	664812	2CCG000262R0001	1
	Curve B	80	E880+ 162B80	664874	2CCG000291R0001	1
		100	E880+ 162B100	664873	2CCG000290R0001	1
		125	E880+ 162B125	664872	2CCG000289R0001	1
	Curve D	80	E880+ 162B80	664874	2CCG000291R0001	1
		100	E880+ 162B100	664873	2CCG000290R0001	1
		125	E880+ 162B125	664872	2CCG000289R0001	1
3P 4.5 mod.	**Curve C**	80	E880+ 163C80	664811	2CCG000261R0001	1
		100	E880+ 163C100	664810	2CCG000260R0001	1
		125	E880+ 163C125	664809	2CCG000259R0001	1
	Curve B	80	E880+ 163B80	664871	2CCG000288R0001	1
		100	E880+ 163B100	664870	2CCG000287R0001	1
		125	E880+ 163B125	664869	2CCG000286R0001	1
	Curve D	80	E880+ 163D80	664931	2CCG000314R0001	1
		100	E880+ 163D100	664930	2CCG000313R0001	1
		125	E880+ 163D125	664929	2CCG000312R0001	1
4P 6 mod.	**Curve C**	80	E880+ 164C80	664808	2CCG000258R0001	1
		100	E880+ 164C100	664807	2CCG000257R0001	1
		125	E880+ 164C125	664806	2CCG000256R0001	1
	Curve B	80	E880+ 164B80	664868	2CCG000284R0001	1
		100	E880+ 164B100	664867	2CCG000283R0001	1
		125	E880+ 164B125	664866	2CCG000282R0001	1
	Curve D	80	E880+ 164D80	664928	2CCG000311R0001	1
		100	E880+ 164D100	664927	2CCG000310R0001	1
		125	E880+ 164D125	664926	2CCG000309R0001	1

E880+ 25 Series

EN/IEC 60898-1 **15,000**

EN/IEC 60947-2 **25kA**

Specifications

Rated current In	(A)	80-125
Rated voltage AC Un	(V)	CA 240/415
Magnetic-thermal trip curves		C, B, D
No. of mechanical/ electrical operations		80-100A: 10,000/6,000 125A: 10,000/4,000
Operating temperature		-25°C to 60°C
Terminal cap. flexible/rigid cable	(mm^2)	70-50
Minimum operating voltage U_{Bmin}	(V)	12 AC/DC
Frequency	(Hz)	50/60
Poles		1, 2, 3, 4
Weight	(g/mod)	240

Markings

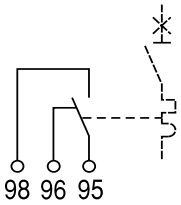
CE

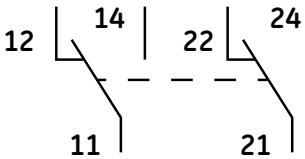
		In (A)	Description	Type	Order code	Sum. (pcs)
1P **1.5 mod.**	**Curve C**	80	E880+251C80	664805	2CCG000255R0001	1
		100	E880+251C100	664804	2CCG000254R0001	1
		125	E880+251C125	664803	2CCG000253R0001	1
	Curve B	80	E880+251B80	664865	2CCG000281R0001	1
		100	E880+251B100	664864	2CCG000280R0001	1
		125	E880+251B125	664863	2CCG000279R0001	1
	Curve D	80	E880+251D80	664796	2CCG000274R0001	1
		100	E880+251D100	664795	2CCG000263R0001	1
		125	E880+251D125	664794	2CCG000252R0001	1
2P **3 mod.**	**Curve C**	80	E880+252C80	664802	2CCG000333R0001	1
		100	E880+252C100	664801	2CCG000329R0001	1
		125	E880+252C125	664800	2CCG000318R0001	1
	Curve B	80	E880+252B80	664862	2CCG000278R0001	1
		100	E880+252B100	664861	2CCG000277R0001	1
		125	E880+252B125	664860	2CCG000276R0001	1
	Curve D	80	E880+252D80	664925	2CCG000308R0001	1
		100	E880+252D100	664924	2CCG000306R0001	1
		125	E880+252D125	664923	2CCG000305R0001	1
3P **4.5 mod.**	**Curve C**	80	E880+253C80	664799	2CCG000307R0001	1
		100	E880+253C100	664798	2CCG000296R0001	1
		125	E880+253C125	664797	2CCG000285R0001	1
	Curve B	80	E880+253B80	664859	2CCG000275R0001	1
		100	E880+253B100	664858	2CCG000273R0001	1
		125	E880+253B125	664857	2CCG000272R0001	1
	Curve D	80	E880+253D80	664922	2CCG000304R0001	1
		100	E880+253D100	664921	2CCG000303R0001	1
		125	E880+253D125	664920	2CCG000302R0001	1
4P **6 mod.**	**Curve C**	80	E880+254C80	664916	2CCG000298R0001	1
		100	E880+254C100	664915	2CCG000297R0001	1
		125	E880+254C125	664914	2CCG000295R0001	1
	Curve B	80	E880+254B80	664856	2CCG000271R0001	1
		100	E880+254B100	664855	2CCG000270R0001	1
		125	E880+254B125	664854	2CCG000269R0001	1
	Curve D	80	E880+254D80	664919	2CCG000301R0001	1
		100	E880+254D100	664918	2CCG000300R0001	1
		125	E880+254D125	664917	2CCG000299R0001	1

E880+ H Series

Auxiliary contacts

	Function	Contacts	Description	Type	Order code	Sum. (pcs)
1/2 mod.	H	2 COM	E880+H	708869	2CCG000322R0001	1

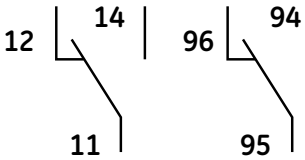




E880+ H/S Series

Auxiliary contacts

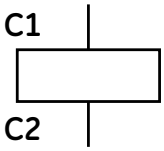
	Function	Contacts	Description	Type	Order code	Sum. (pcs)
1/2 mod.	H/S	2 COM	E880S/H+	708870	2CCG000323R0001	1



E880+ Tele L Series

Trip coil

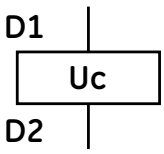
	Function	Contacts	Description	Type	Order code	Sum. (pcs)
1 mod.	220...400 VAC/DC	-	F6+	708871	2CCG000324R0001	1
	110...250 VAC/DC	-	F5+	708872	2CCG000325R0001	1
	48...130 VAC/DC	-	F4+	708873	2CCG000326R0001	1



E880+ Tele U Series

Minimum voltage coil

	Function	Contacts	Description	Type	Order code	Sum. (pcs)
1 mod.	220...250 VAC/DC	-	NUVR+230	708874	2CCG000328R0001	1
	48...60 VAC/DC	-	NUVR+48	708875	2CCG000330R0001	1
	24...36 VAC/DC	-	NUVR+24	708876	2CCG000331R0001	1



Padlock interlocking device

	Description	Type	Order code	Sum. (pcs)
	E880+ KS	708882	2CCG000332R0001	10

HD+ RCD Block Series

Class AC

Class S

Performance

Thermal setting In	(A)	100A
Residual current IΔn	(mA)	30, 500, 1000
Rated maximum voltage AC Un	(V)	230/400; 240/415; 400/690
Maximum operation voltage UBmax	(V)	690
Maximum operating voltage UBmin	(V)	195
Mechanical electrical endurance		Depends on associat. MCBs
Rated impulse withstand voltage Uimp impulse (1.2/50)	(kV)	6
Max Torque	(Nm)	3.5
Terminal capacity flexible/stranded cable	(mm^2)	70-50
Poles		2, 3, 4
Nuisance tripping resistance		A: 250A 8/20µs S: 5000A 8/20µs
Ambient temperature	(°C)	-25°C up to 60°C
Weight	(g)	2P: 420; 3P: 640; 4P: 770

Type AC

		30 mA			300 mA			500 mA		
Poles	**In**	**Product description**	**6 digit**	**Order code**	**Product description**	**6 digit**	**Order code**	**Product description**	**6 digit**	**Order code**
2P	100	HD+92100/030	668103	2CSB802477R1000	HD+92100/300	668104	2CSB802177R3000	HD+92100/500	668105	2CSB802177R4000
3P	100	HD+93100/030	668108	2CSB803477R1000	HD+93100/300	668109	2CSB803177R3000	HD+93100/500	668110	2CSB803177R4000
4P	100	HD+94100/030	668114	2CSB804477R1000	HD+94100/300	668115	2CSB804177R3000	HD+94100/500	668116	2CSB804177R4000

Type S

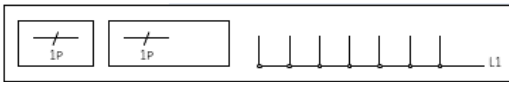
		300 mA			500 mA			1000 mA		
Poles	**In**	**Product description**	**6 digit**	**Order code**	**Product description**	**6 digit**	**Order code**	**Product description**	**6 digit**	**Order code**
2P	100	HDS+92100/300	668106	2CSB802277R3000				HDS+92100/1000	668107	2CSB802277R5000
3P	100	HDS+93100/300	668111	2CSB803277R3000	HDS+93100/500	668112	2CSB803277R4000	HDS+93100/1000	668113	2CSB803277R5000
4P	100	HDS+94100/300	668117	2CSB804277R3000	HDS+94100/500	668118	2CSB804277R4000	HDS+94100/1000	668119	2CSB804277R5000

04

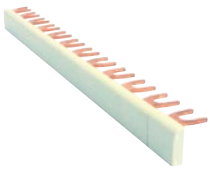
Busbars

Fork type Busbars

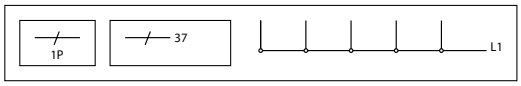
1-phase



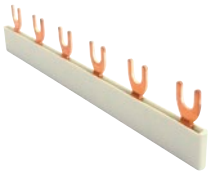
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 1/2/10	650197	4TQA650197R1002	20
10	BA-G 1/3/10	650217	4TQA650217R1006	20
10	BA-G 1/6/10	650218	4TQA650218R1003	20
10	BA-G 1/12/10	650195	4TQA650195R1012	20



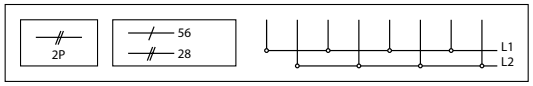
1-phase 90°



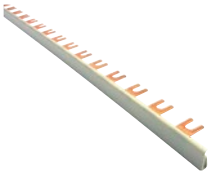
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 1/9/10	650343	4TQA650343R1009	20
16	BA-G 1/57/16	650378	4TQA650378R1657	1/50
16	BA-G 1/57/16	650384	4TQA650384R1657	1/10



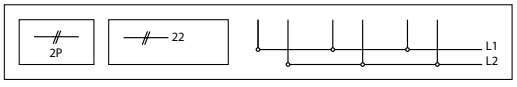
1-phase with 1P + auxiliary



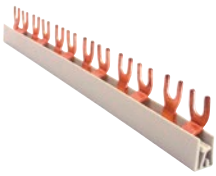
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 1/4/10H(1+H)	650348	4TQA650348R1004	20
10	BA-G 1/6/10H(1+H)	650344	4TQA650344R1006	20



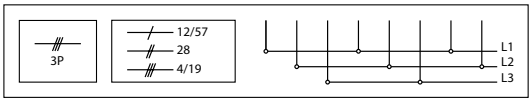
1-phase with 1P + auxiliary 90°



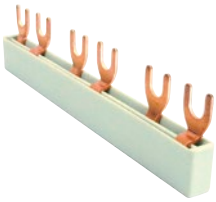
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
16	BA-G 1/37/16H(1+H)	650373	4TQA650373R1637	1/50



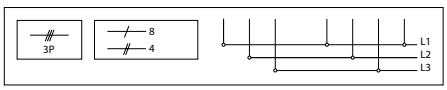
2-phase



Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 2/4/10	650359	4TQA650359R1004	10
10	BA-G 2/6/10	650354	4TQA650354R1006	10
10	BA-G 2/12/10	650229	4TQA650229R1012	10
16	BA-G 2/56/16	650390	4TQA650390R1656	1/20

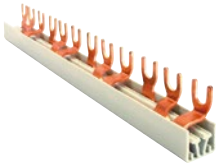


2-phase with 2P + auxiliary

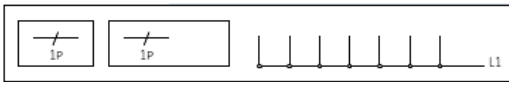


Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 2/4/10H(2+H)	650366	4TQA650366R1004	10
10	BA-G 2/6/10H(2+H)	650228	4TQA650228R1006	10
10	BA-G 2/8/16H(2+H)	650357	4TQA650357R1608	10
10	BA-G 2/10/10H(2+H)	650362	4TQA650362R1010	10
16	BA-G 2/46/16H(2+H)	650370	4TQA650370R1644	1/20

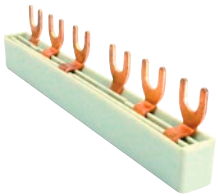
Fork type Busbars



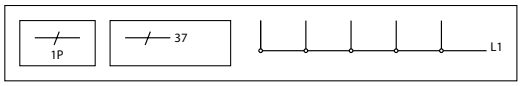
3-phase



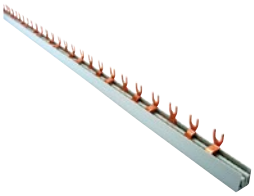
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 3/6/10	650189	4TQA650189R1006	10
10	BA-G 3/9/10	650188	4TQA650188R1009	10
10	BA-G 3/12/10	650184	4TQA650184R1012	10
10	BA-G 3/15/10	650360	4TQA650360R1015	10
16	BA-G 3/57/16	650346	4TQA650346R1657	1/20



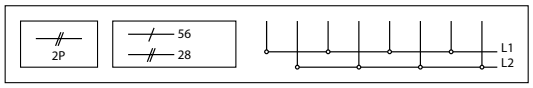
3-phase with 3P + auxiliary



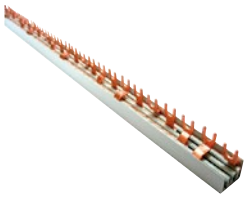
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 3/6/10H(3+H)	650368	4TQA650368R1006	10
10	BA-G 3/9/10H(3+H)	650376	4TQA650376R1009	10
10	BA-G 3/12/10H(3+H)	650361	4TQA650361R1012	10
16	BA-G 3/48/16H(3+H)	650350	4TQA650350R1645	1/20



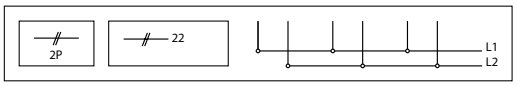
3-phase with 1P + auxiliary



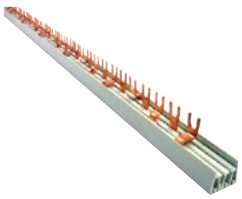
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 3/6/10H(1+H)	650353	4TQA650353R1006	10
10	BA-G 3/9/10H(1+H)	650367	4TQA650367R1009	10
16	BA-G 3/36/16H(1+H)	650379	4TQA650379R1636	1/20



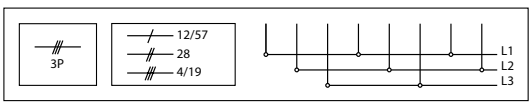
4-phase 3P+N or 4P



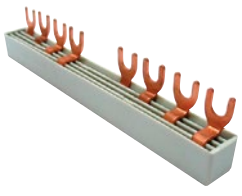
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 3/9/10 FI	650347	4TQA650347R1009	10
10	BA-G 3/10/10 FI	650196	4TQA650196R1012	10
10	BA-G 3/12/10 FI	650185	4TQA650185R1012	10
10	BA-G 4/8/10	650209	4TQA650209R1008	5
10	BA-G 4/12/10	650220	4TQA650220R1012	5
16	BA-G 4/56/16	650374	4TQA650374R1656	1/15



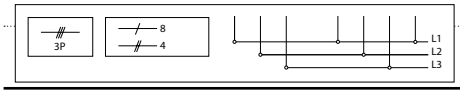
4-phase 1P+N or 2P



Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-G 4/12/10 N	650194	4TQA650194R1012	5
16	BA-G 4/54/16 N	650358	4TQA650358R1654	1/15

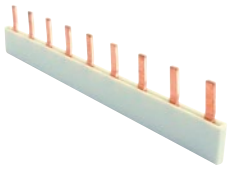


4-phase with 4P + auxiliary

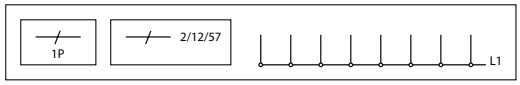


Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
16	BA-G 4/48/16H(4+H)	650383	4TQA650383R1648	1/15

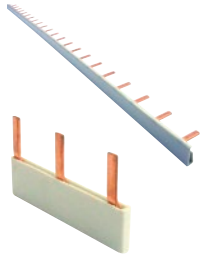
Pin type Busbars



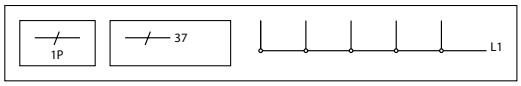
1-phase



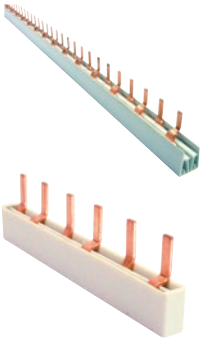
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-S 1/2/10	650219	4TQA650219R1002	10
10	BA-S 1/12/10	650369	4TQA650369R1012	10
16	BA-S 1/57/16	650385	4TQA650385R1657	1/10



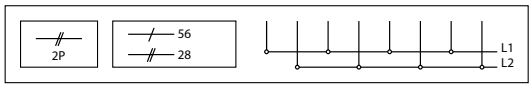
1-phase with 1P + auxiliary



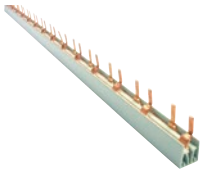
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-S 1/37/10H(1+H)	650371	4TQA650371R1036	1/50
16	BA-S 1/37/16H(1+H)	650399	4TQA650399R1636	1/50



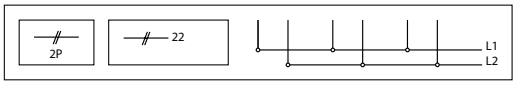
2-phase



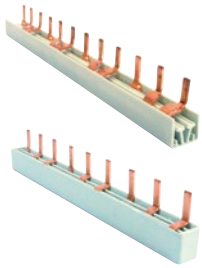
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
16	BA-S 2/56/16	650388	4TQA650388R1656	1/20



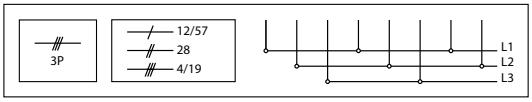
2-phase with 2P + auxiliary



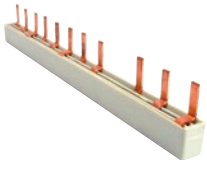
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
16	BA-S 2/46/16H(2+H)	650382	4TQA650382R1622	1/20



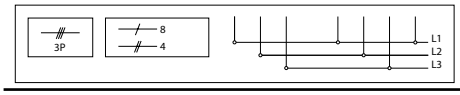
3-phase



Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-S 3/12/10	650200	4TQA650200R1012	10
16	BA-S 3/57/16	650389	4TQA650389R1657	1/20

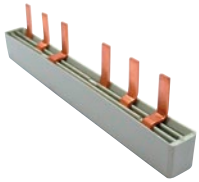


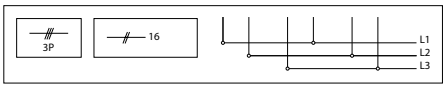
3-phase RCDs



Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-S 3/12/10 FI	650208	4TQA650208R1012	10

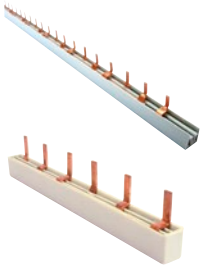
3-phase with 3P + auxiliary

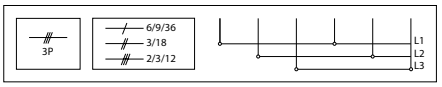




Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-S 3/48/10H(3+H)	650386	4TQA650386R1045	1/20

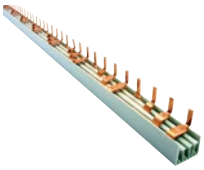
3-phase with 1P + auxiliary

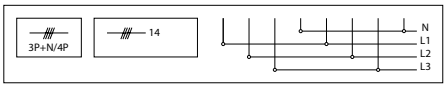




Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-S 3/6/10H(1+H)	650198	4TQA650198R1006	10
10	BA-S 3/9/10H(1+H)	650345	4TQA650345R1009	10
16	BA-S 3/36/16H(1+H)	650355	4TQA650355R1636	1/20

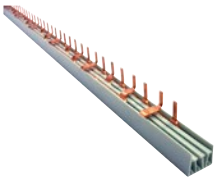
4-phase 4P or 3P+N





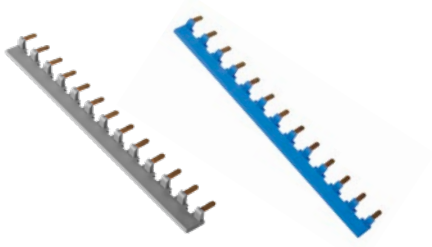
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
16	BA-S 4/56/16	650387	4TQA650387R1656	1/15

4-phase 1P+N or 2P



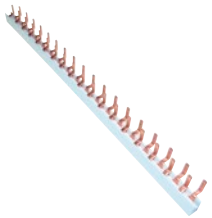
Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-S 4/18/10 FI	650395	4TQA650395R1018	5
16	BA-S 4/54/16	650396	4TQA650396R1654	1/15

Busbars for Unibis EPC Series



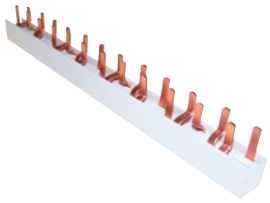
1-phase 90°

Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-SU 1/13/10 GREY	650397	4TQA650397R1013	15
10	BA-S 1/13/10 BLUE	650398	4TQA650398R1013	15



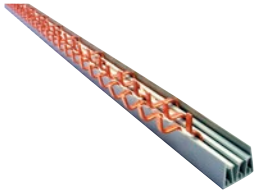
1-phase+N / 2P

Cross section (mm²)	Description	Type	Order code	Sum. (pcs)
10	BA-SU 2/36/10	650372	4TQA650372R1018	20
10	BA-SU 2/112/10	650381	4TQA650381R1055	1/20



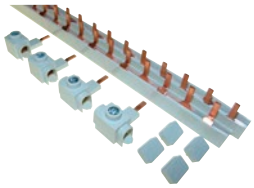
3-phase

Cross section (mm²)	Description	Code		Sum. (pcs)
10	BA-SU 3/24/10	650352	4TQA650352R1024	15
10	BA-SU 3/112/10	650363	4TQA650363R1011	1/15
10	BA-SU 3/16/10 FI	650364	4TQA650364R1015	20



4-phase 1P+N or 2P

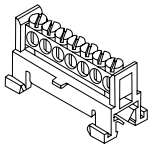
Cross section (mm²)	Description	Code		Sum. (pcs)
10	BA-SU 4/108/10 N	650351	4TQA50351R10110	1/10



4-phase 4P or 3P+N

Cross section (mm²)	Description	Code		Sum. (pcs)
10	BA-SU 4/112/10 Kit	650380	4TQA650380R1055	1/5
	4 end caps and 4 terminals included			

Accessories



	Cross section (mm²)	Description	Code		Sum. (pcs)
Pin end caps	10/16	BA-END 1.1	650349	4TQA650349R0000	50
	10	BA-END 2.1	650210	4TQA650210R0000	10
	10	BA-END 3.1	650186	4TQA650186R0000	10
	16	BA-END 3.2	650193	4TQA650193R0000	10
	10/16	BA-END 4.1	650190	4TQA650190R0000	10
Terminals	25	BA-FG 25/16	650391	4TQA650391R0000	30
	25	BA-FS 25/14	650392	4TQA650392R0000	30
	25	BA-FS 25/27	650393	4TQA650393R0000	50
	35	BA-FS 35 Direkt	650394	4TQA650394R0000	10
	25	BA-FS 25/27 Q	650199	4TQA650199R0000	30
Insulating caps		BA-BS	650191	4TQA650191R0000	10
Neutral terminal block	16	LK/N7	650192	4TQA650192R0000	10
	16	LK/N12	650227	4TQA650227R0000	10
Phase terminal block	16	LK/S7	650187	4TQA650187R0000	10
	16	LK/S12	650207	4TQA650207R0000	10

05

Comfort Function Devices

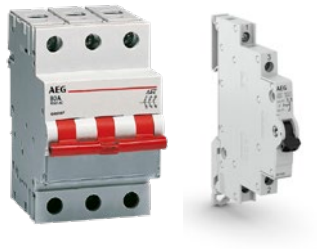
Comfort Function

AEG's energy management portfolio consists of a number of products for manual, electro-mechanical or programmed control of any electrical device, from heating to lighting in stairways, halls, programmed lighting of buildings...

AEG meets these needs with the following product lines:

- Aster and Aster+ BL: disconnectors, switches and indicator lights
- MSC+ Series: Power sockets
- VI Series: Residential contactors.
- Pulsar SC+: Stairway timer relay
- Pulsar S+: Remote switches
- Galax Plus: Digital time switches
- Galax LSS: Twilight switches

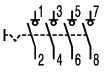
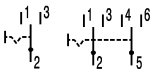
Aster



Applications

- To operate lighting, heating or small switchgear circuits in offices, warehouses, factories, etc.

Switches and pushbuttons

	Rated voltage	Contact comb.	Module No.	Description	Type	Order code	Sum. (pcs)
Load break switches	40A/240VAC	1NO	1	AST M 40 10	648369	4TQA648369R0000	12
	40A/415VAC	2NO	2	AST M 63 10	648373	4TQA648373R0000	6
	40A/415VAC	3NO	3	AST M 80 10	648365	4TQA648365R0000	4
	40A/415VAC	4NO	4	AST M 100 10	648377	4TQA648377R0000	3
	63A/240VAC	1NO	1	AST M 40 20	648370	4TQA648370R0000	12
	63A/415VAC	2NO	2	AST M 63 20	648374	4TQA648374R0000	6
	63A/415VAC	3NO	3	AST M 80 20	648366	4TQA648366R0000	4
	63A/415VAC	4NO	4	AST M 100 20	648378	4TQA648378R0000	3
	80A/240VAC	1NO	1	AST M 40 30	648371	4TQA648371R0000	12
	80A/415VAC	2NO	2	AST M 63 30	648375	4TQA648375R0000	6
	80A/415VAC	3NO	3	AST M 80 30	648367	4TQA648367R0000	4
	80A/415VAC	4NO	4	AST M 100 30	648379	4TQA648379R0000	3
	100A/240VAC	1NO	1	AST M 40 40	648372	4TQA648372R0000	12
	100A/415VAC	2NO	2	AST M 63 40	648376	4TQA648376R0000	6
	100A/415VAC	3NO	3	AST M 80 40	648368	4TQA648368R0000	4
	100A/415VAC	4NO	4	AST M 100 40	648380	4TQA648380R0000	3
Switches with position 0	16A/240VAC	1COM	1	AST+ SZ161	661688	2CCG000211R0001	12
	16A/240VAC	2COM	1	AST+ SZ162	661689	2CCG000213R0001	12
							

Specifications

- Wide range of contact combination and breaking capacities
- Compact (4 poles in 1 module), with high switching capacity due to double breaking per pole. This range of switches can be padlocked
- The terminals, fitted with a safety system and screws with Pozidriv head screws, have an IP20 degree of protection against accidental contacts
- Load break switches accept AC auxiliary contacts.

Standards

40-100 load break switches

EN 60947-3, NBN EN 60947-3, VDE 0632 Part 101

Aster+ BL

LED lamps assembled

	Rated voltage	Colour	Module No.	Description	Type	Order code	Sum. (pcs)
	230 V AC/DC	Red	1/2	AST+ BL230R	661690	2CCG000214R0001	12
	230 V AC/DC	Green	1/2	AST+ BL230G	661691	2CCG000215R0001	12

MSC+ Series

Power sockets

	Rated current	Rated voltage	Module No.	Description	Type	Order code	Sum. (pcs)
Without child protection	16A	250Vca	2.5	MSC+ SE	616959	2CSM616959R0721	1

Specifications

Rated current	16A
Rated voltage	250V
Operating temperature	-20°C to +55°C
Level of protection	IP20
Screw	Pozidriv 2
Terminal capacity	mín 1x1mm^2 máx 1x6mm^2 or 2x2.5mm^2

Standards

NBN C61-112-1, NF C61-303 (86), IEC 60884-1

VI Series

Applications

- Wide range of contact combination and breaking capacities
- Compact and high switching capacity thanks to double breaking per pole. This range of switches can be padlocked
- The terminals, fitted with a safety system and screws with Pozidriv head screws, have an IP20 degree of protection against accidental contacts
- Load break switches accept AC auxiliary contacts.

Standards

IEC 60947-4-1, IEC 61095, EN 61095

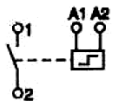
Modular contactors

		Contact sw.	Coil voltage	AC/DC	Module No.	Description	Type	Order code	Sum. (pcs)
Contactors	16A	2NO	24V	AC/DC	1	VI162001	111111	4TQB111111R0000	12
	16A	1NO 1NC	24V	AC/DC	1	VI161101	111112	4TQB111112R0000	12
	16A	2NO	230V	AC/DC	1	VI162006	111161	4TQB111161R0000	12
	16A	1NO 1NC	230V	AC/DC	1	VI161106	111162	4TQB111162R0000	12
	20A	2NO	24V	AC/DC	1	VI202001	111211	4TQB111211R0000	12
	20A	1NO 1NC	24V	AC/DC	1	VI201101	111212	4TQB111212R0000	12
	20A	2NC	24V	AC/DC	1	VI200201	111213	4TQB111213R0000	12
	20A	2NO	230V	AC/DC	1	VI202006	111261	4TQB111261R0000	12
	20A	1NO 1NC	230V	AC/DC	1	VI201106	111262	4TQB111262R0000	12
	20A	2NC	230V	AC/DC	1	VI200206	111263	4TQB111263R0000	12
	24A	4NO	24V	AC/DC	2	VI254001	113314	4TQB113314R0000	6
	24A	4NC	24V	AC/DC	2	VI250401	113315	4TQB113315R0000	6
	24A	2NA 2NC	24V	AC/DC	2	VI252201	113316	4TQB113316R0000	6
	24A	3NO	24V	AC/DC	2	VI253001	113319	4TQB113319R0000	6
	24A	4NO	230V	AC/DC	2	VI254006	113364	4TQB113364R0000	6
	24A	4NC	230V	AC/DC	2	VI250406	113365	4TQB113365R0000	6
	24A	2NA 2NC	230V	AC/DC	2	VI252206	113366	4TQB113366R0000	6
	24A	3NO	230V	AC/DC	2	VI253006	113369	4TQB113369R0000	6
	40A	2NO	24V	AC/DC	3	VI402001	115411	4TQB115411R0000	3
	40A	3NO	24V	AC/DC	3	VI403001	115419	4TQB115419R0000	3
	40A	4NO	24V	AC/DC	3	VI404001	115414	4TQB115414R0000	3
	40A	2NO	230V	AC/DC	3	VI402006	115461	4TQB115461R0000	3
	40A	3NO	230V	AC/DC	3	VI403006	115469	4TQB115469R0000	3
	40A	4NO	230V	AC/DC	3	VI404006	115464	4TQB115464R0000	3
	63A	4NO	24V	AC/DC	3	VI634001	115514	4TQB115514R0000	3
	63A	2NO	230V	AC/DC	3	VI632006	115561	4TQB115561R0000	3
	63A	4NO	230V	AC/DC	3	VI634006	115564	4TQB115564R0000	3
Day/Night contactors	20A	2NO	230V	AC/DC	1	VID202006	112261	4TQB112261R0000	12
	24A	3NO	230V	AC/DC	2	VID253006	114369	4TQB114369R0000	5
	24A	4NO	230V	AC/DC	2	VID254006	114364	4TQB114364R0000	5
	40A	2NO	230V	AC/DC	3	VID402006	116461	4TQB116461R0000	3
	40A	3NO	230V	AC/DC	3	VID403006	116419	4TQB116419R0000	3
	40A	4NO	230V	AC/DC	3	VID404006	116464	4TQB116464R0000	3
Auxiliary contacts	6A	1NO 1NC	230V		0.5	VI11N	119001	4TQB119001R0000	5
	6A	2NO	230V		0.5	VI20N	119002	4TQB119002R0000	5
Accessories	Cover for VI25, VID25				2	VIPK2N	119004	4TQB119004R0000	-
	Cover for VI40, VI63, VID40				3	VIPK3N	119005	4TQB119005R0000	-
	Spacer				0.5	VIDISN	119003	4TQB119003R0000	-

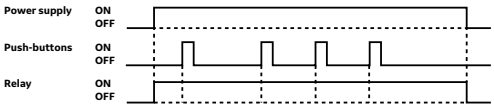
Pulsar SC+

Stairway switch

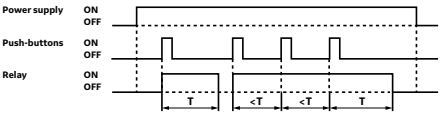
	Contact sw.	AC supply voltage	DC supply voltage	Module No.	Description	Type	Order code	Sum. (pcs)
Stairway Switch 1 NO	16A 1 NA	230 V AC (-15%...+10%)	-	1	PULSAR SC+ 1-15 16A 1M	685612	2CDE110005R0505	1



Staircase light fixed on



Automatic



Timing	1 - 7 min in steps of 15 sec.
Operating voltage	230 V AC
Control voltage range	0.9...1.1 Un
Connecting voltage	230 V AC
Frequency	50 Hz
Resettable	Yes
Multifunction	Yes
Power loss	1 VA
Loads	
Incandescent lamp power	2300 W
Fluorescent lamp power	2300 W
Series compensated	2300 VA
Parallel compensated	1300 VA
Inductive loads cos ÷ = 0.6/230 V AC	2300 VA
Control current at 230 V AC	4.5 mA
Minimum breaking duration	10 ms
Usage temperature	-10...+50°C
Terminal capacity	6/10.7 mm^2

Pulsar S+

Remote switches

Rated current	Contact combination	AC coil voltage	No. of modules	Description	Type	Order code	Sum (Units)
16A	1NO	12V	1	PLS+ S161012	685613	2TAZ372000R2051	1
16A	1NO	230V	1	PLS+ S1610230	685614	2TAZ372000R2011	1
16A	2NO	12V	1	PLS+ S162012	685615	2TAZ372000R2052	1
16A	2NO	230V	1	PLS+ S1620230	685616	2TAZ372000R2012	1

Centralized handle attached

Rated current	Contact combination	AC coil voltage	No. of modules	Description	Type	Order code	Sum (Units)
		230V	1/2	PLS+ C230	685617	2TAZ372001R2013	1

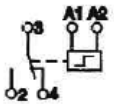
Multi-level centralized handle attached

Rated current	Contact combination	AC coil voltage	No. of modules	Description	Type	Order code	Sum (Units)
16A	1CO		1/2	PLS+ M16001	685618	2CCG000208R0001	1
16A	2NO		1/2	PLS+ M1620	685619	2CCG000209R0001	1

Galax Plus

Digital time switches

	Program	Channels	Rated current	Operation reserve	Minimum switching time	Module No.	Description	Type	Order code	Sum. (pcs)
	With Battery	Nominal Voltage: 230VAC(-15%...+10%)								
Weekly programming	7x24h/0.5	1CO	16A (10) at 250V AC	5 years	30 min	2	GLX+ Q 21 W 120	666373	2CSM208121R1000	1



Weekly programming
- Un: 230V 50/60Hz
- Relay switching only if the device is live
- Manual operation of the output (temporary or permanent)
- Automatic daylight saving change
- Default programmed date and time
- Battery to set day, time and schedule without having to power the circuit breaker
- Battery low signaling
- Key-protected keypad
- Backlight when the device is connected (automatic shutdown to save energy in case of power loss)
- 48 x Virtual microswitches with 30 minute resolution

Galax LSS

Twilight switches

Program	No. of channels	Rated current	Module No.	Description	Type	Order code	Sum. (pcs)
Rated voltage: 230VAC (-20%...+10%)							
10 to 100 lux	1NO	16A/250 V AC	1	GLX+ Q LUX 16	666307	2CSM666307R1341	1

Twilight switch:
- Interaction time: 20 seconds
- Red indicator for load on
- Hysteresis factor: 0 lux

Notes