



Low voltage

Acti 9

the efficiency you deserve

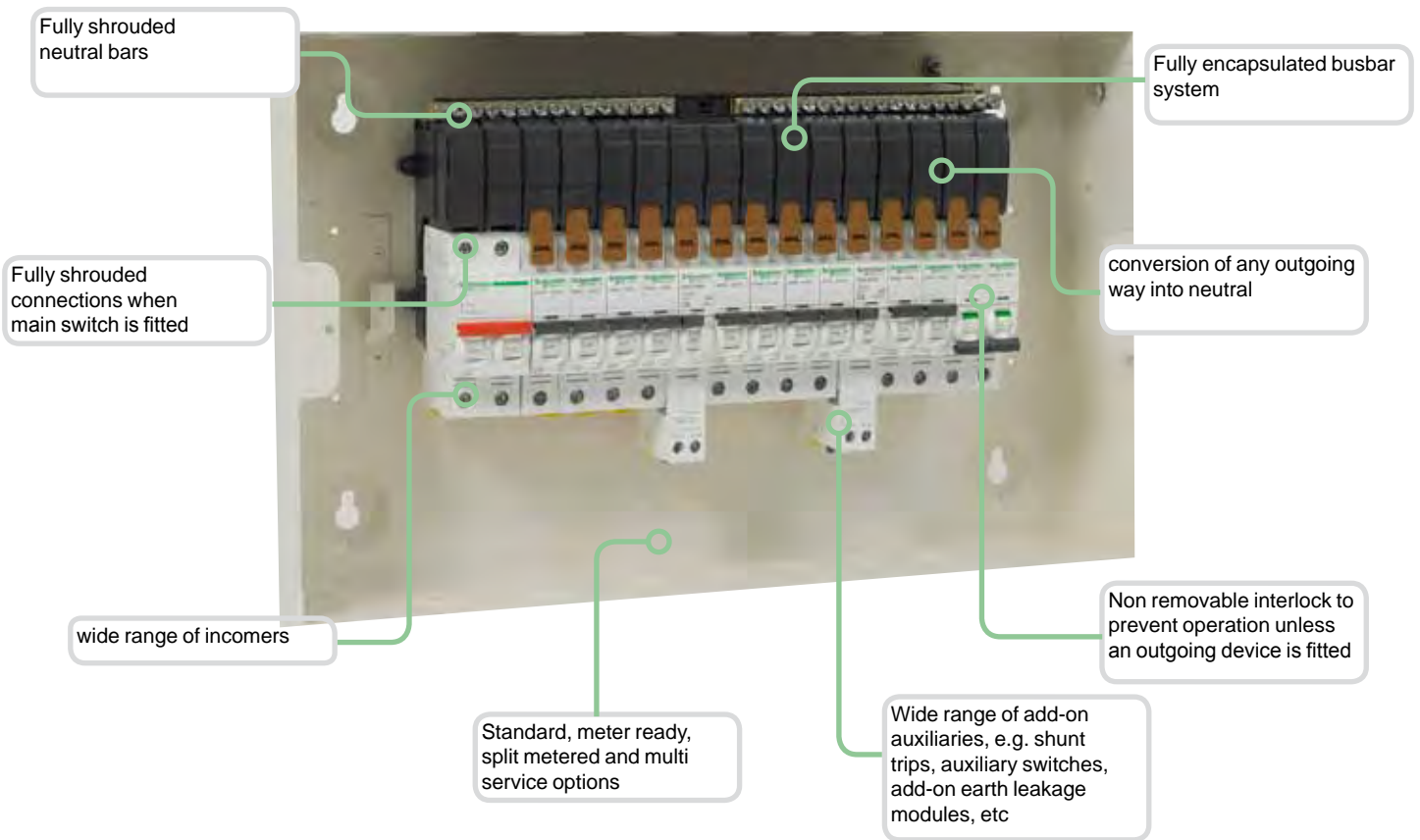
Ordering guide



Ordering references

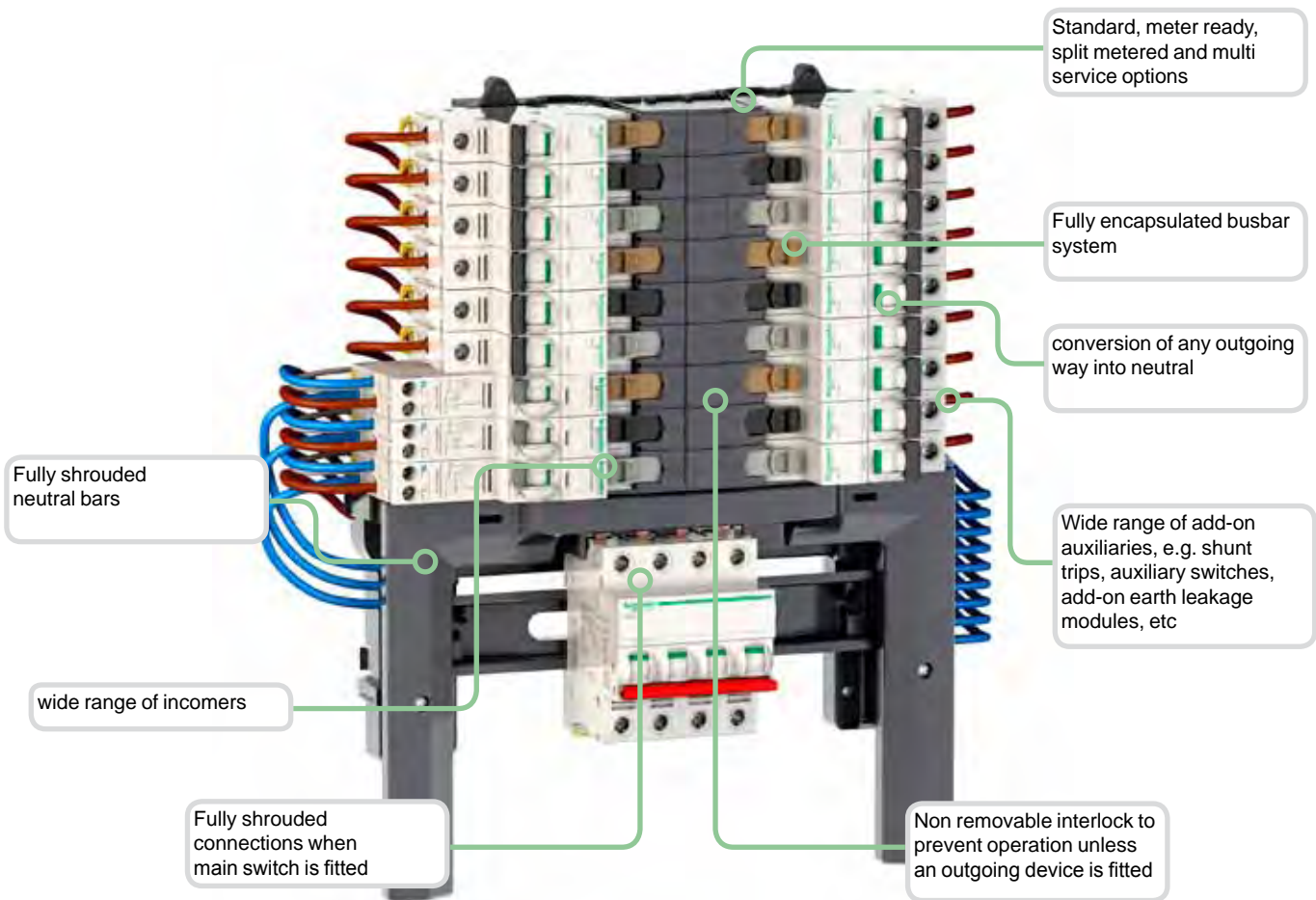
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A type single phase boards



- Fully type tested conditional short circuit rating of 16kA to BS EN 61439-3
- High performance MCB 10kA BS EN 60898 15kA BS EN 60947-2 in B, C or D curve single and double pole
- 125A busbar rating
- Isobar disconnection to BS EN 60947-3 ensuring unused outgoing ways are isolated
- Option of switching outgoing neutral on all boards using distributed neutral kit
- Terminal block for feeding up to 100A
- Range of incomers: switch disconnectors, residual current devices, terminal blocks
- Single pole RCBO for new or retrofit maintaining device density
- Full range of device accessories and auxiliaries
- Knockouts for cable gland and conduit mixed to suit the installation needs without loss of space
- Split metering options

B Type 3 phase distribution



- Fully type tested conditional short circuit rating of 25kA to BS EN 61439-3
- High performance MCB 10kA BS EN 60898 15kA BS EN 60947-2 in B, C or D curve 1, 2, 3, 4 pole
- 250A busbar rating
- Isobar disconnection to BS EN 60947-3 ensuring unused outgoing ways are isolated
- Option of switching outgoing neutral on all boards using distributed neutral kit
- Terminal block for feeding up to 100A
- Range of incomers: switch disconnectors, residual current devices, terminal blocks, mccb
- Single pole RCBO for new or retrofit maintaining device density
- Full range of device accessories and auxiliaries
- Knockouts for cable gland and conduit mixed to suit the installation needs without loss of space
- Removable insulated pan assembly
- Fully shrouded neutral
- Split neutral bars
- Removable gland plates
- Optional metering, dual supply, surge protection and contactor on incoming
- Metered extension enclosures

Acti9 Isobar A type distribution boards

BS EN 61439-3

IEC 61439-3

- Acti9 Isobar is a complete range of single and 3 phase distribution boards for commercial and industrial applications
- Standard distribution boards up to 24 ways
- Multi service distribution boards up to 24 ways
- Dual incomer distribution boards up to 24 ways
- Split load distribution boards up to 24 ways
- Split metered distribution boards up to 20 ways
- Any outgoing way can be converted to switch the Neutral



Alternating current (AC) 50Hz		
withstand	110v	230/240v
conditional	25kA	25kA
unconditional	25kA/50mS	25kA/50mS
	17kA/200mS	17kA/200mS
Direct current (DC)		
	24v	48v
unconditional	25kA/50mS	25kA/50mS

Catalogue numbers

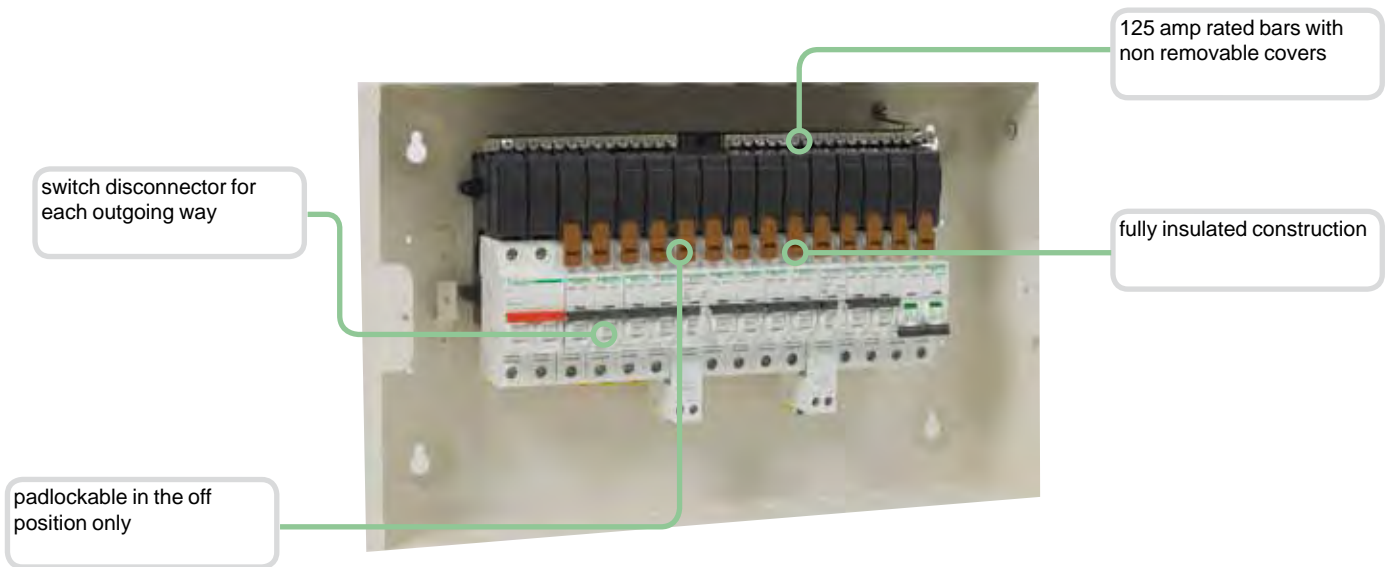
Acti9 Isobar Standard distribution boards busbar rating 125amp		
incomers not included	No of SP ways	No of DP ways
SEA9AN2	2	1
SEA9AN6	6	3
SEA9AN10	10	5
SEA9AN14	14	7
SEA9AN18	18	9
SEA9AN27	27	12

Acti9 Isobar Multi service distribution boards busbar rating 125amp		
incomers not included	No of SP ways	Useable DIN rail 9mm ways
SEA9AN1008MS	10	8
SEA9AN1016MS	10	16
SEA9AN1432MS	14	32
SEA9AN616MS	6	16
SEA9AN624MS	6	24

Acti9 Isobar Split load distribution boards busbar rating 125amp		
incomers not included	Unprotected way	Protected ways
SEA9AN106SL	10	6
SEA9AN610SL	6	10
SEA9AN66SL	6	6

Acti 9 Isobar
the safest distribution board

Acti9 Isobar A type distribution boards



Technical data Standard, Meter ready, Split metered Acti9 Isobar

Main characteristics		110v	230/240v
According to BE EN 61439-3			
Withstand	conditional	25kA	25kA
	unconditional	25kA/50mS	25kA/50mS
		17kA/200mS	17kA/200mS
insulation voltage (Ui)			
Pollution degree			
Rated inpulse withstand voltage (Uimp)			
Current rating (A)	direct connection	125	
	Switch disconnector	125	DIN mounted Power switch
	RCCB	100	
Degree of protection (IEC 60529)	sensetivites (mA)	30, 100, 300, 300TD	
		External IP30	
		Internal IP20	
Endurance (O-C) Isobar switch disconnector		3000	
Overvoltage category		IV	
Operating temperature		-35 to +70°C	
Storage teperature		-40 to +80°C	
Connections			
Rating	tightening torque	Copper lugs	cables bare
125 amp		■	50mm
125 amp		■	50mm
100 amp		■	35mm
			device
			DIN switch disconnector
			Terminal block
			RCCB

Acti9 Isobar Dual supply distribution boards busbar rating 125amp		
incomers not included	Unprotected way	Protected ways
SEA9AN106DS	10	6
SEA9AN26DS	2	6
SEA9AN66DS	6	6

Acti9 Isobar Split metered distribution boards busbar rating 125amp direct connected meters		
incoming switch disconnector included	No of SP ways	No of DP ways
SEA9AN6S6 40A direct connected	6	6
SEA9AN10S10 63A direct connected	10	10

Acti9 Isobar A type distribution boards

Weight (kG) - Dimensions (mm)								
Standard	Multi service	Split load	Dual Incomer	Split metered	kG	Height	width	depth
2 way	■	■	■	■	1.8	300	200	117
6 way	■	■	■	■	2.5	300	273	117
10 way	■	■	2 - 6	■	3.0	300	345	117
14 way	6 - 16, 10 - 8	5 - 6	6 - 6	■	4.8	300	417	117
18 way	6 - 24, 10 - 16, 14 - 8	5 - 10, 9 - 6	10 - 6	6 - 6	5.7	300	489	117
27 way	14 - 32	■	■	10 - 10	8.9	530	417	117

Incomers			
Switch disconnecter		rating (A)	no of poles
SEA91252		125	2
Residual current circuit breaker 230/240vAC		rating (A)	no of poles
sensitivity (mA)			
SEA9R41263	30	63	2
SEA9R12263	100	63	2
SEA9R44263	300	63	2
SEA9211280	30	80	2
SEA9R12280	100	80	2
SEA9R14280	300	80	2
SEA9R15280	300 TD	80	2
SEA9R11291	30	100	2
SEA9R12291	100	100	2
SEA9R14291	300	100	2
SEA9R15291	300 TD	100	2
Terminal block		rating (A)	no of poles
SEA9TB1252		125	2

DIN rail only enclosures			
Reference	Description	number of rows	dimensions
SEA9DE16	8 SP way module enclosure	1	SEA9AN6
SEA9DE24	12 SP way module enclosure	1	SEA9AN10
SEA9DE32	16 SP way module enclosure	1	SEA9AN14
SEA9DE40	20 SP way module enclosure	1	SEA9AN18
SEA9DE64	32 SP way module enclosure	2	SEA9AN27

Accessories

Flush mounting kits		
Reference		no of ways
SEA9AN6FK	Flush mounting kit	6
SEA9AN10FK	Flush mounting kit	10
SEA9AN14FK	Flush mounting kit	14
SEA9AN18FK	Flush mounting kit	18
Distributed neutral kits		
Reference		no of ways
SEA9NA6	Distributed neut'l for 6 way SP+N	6
SEA9NA10	Distributed neut'l for 10 way SP+N	10
SEA9NA14	Distrib'd neut'l for 14 way SP+N	14
SEA9NA18	Distrib'd neut'l for 18 way SP+N	18
SEA9NA27	Distrib'd neut'l for 27 way SP+N	27
SEA9NKIT	Phase to neutral conversion kit (pack 4)	
Reference	Description	
SEA9BL	Door lock	
SEA9PD	Padlock kit for door	
SEA9BP	Blank pole	
SEA9BP25	Pack of 25 x 5 pole filler	
SEA9BP5	single 5 pole filler	
SEA9TB1001	100 amp terminal block 1 pole	
SEA9ANWL	SP&N LABELS	

Acti9 Isobar A type pan assemblies					
Reference		no of ways	height	width	depth
SEA9AN6PS	supplied without distributed neutral	6	202	200	87
SEA9AN10PS	supplied without distributed neutral	10	202	272	87
SEA9AN14PS	supplied without distributed neutral	14	202	344	87
SEA9AN18PS	supplied without distributed neutral	18	202	416	87

Acti9 Isobar B type distribution boards



BS EN 61439-3
IEC 61439-3

- Acti9 Isobar is a complete range of single and 3 phase
- distribution boards for commercial and industrial applications
- Standard distribution boards up to 24 ways
- Meter ready distribution boards up to 24 ways
- Split metered distribution boards up to 22 ways
- Any outgoing way can be converted to switch the Neutral

Alternating current (AC) 50Hz

	230/240v	400v	415v
withstand	25kA	25kA	25kA
conditional	25kA/50mS	25kA/50mS	25kA/50mS
unconditional	17kA/200mS	17kA/200mS	17kA/200mS

Direct current (DC)

	24v	48v	
unconditional	25kA/50mS	25kA/50mS	

Catalogue numbers

Acti9 Isobar Standard distribution boards busbar rating 250amp

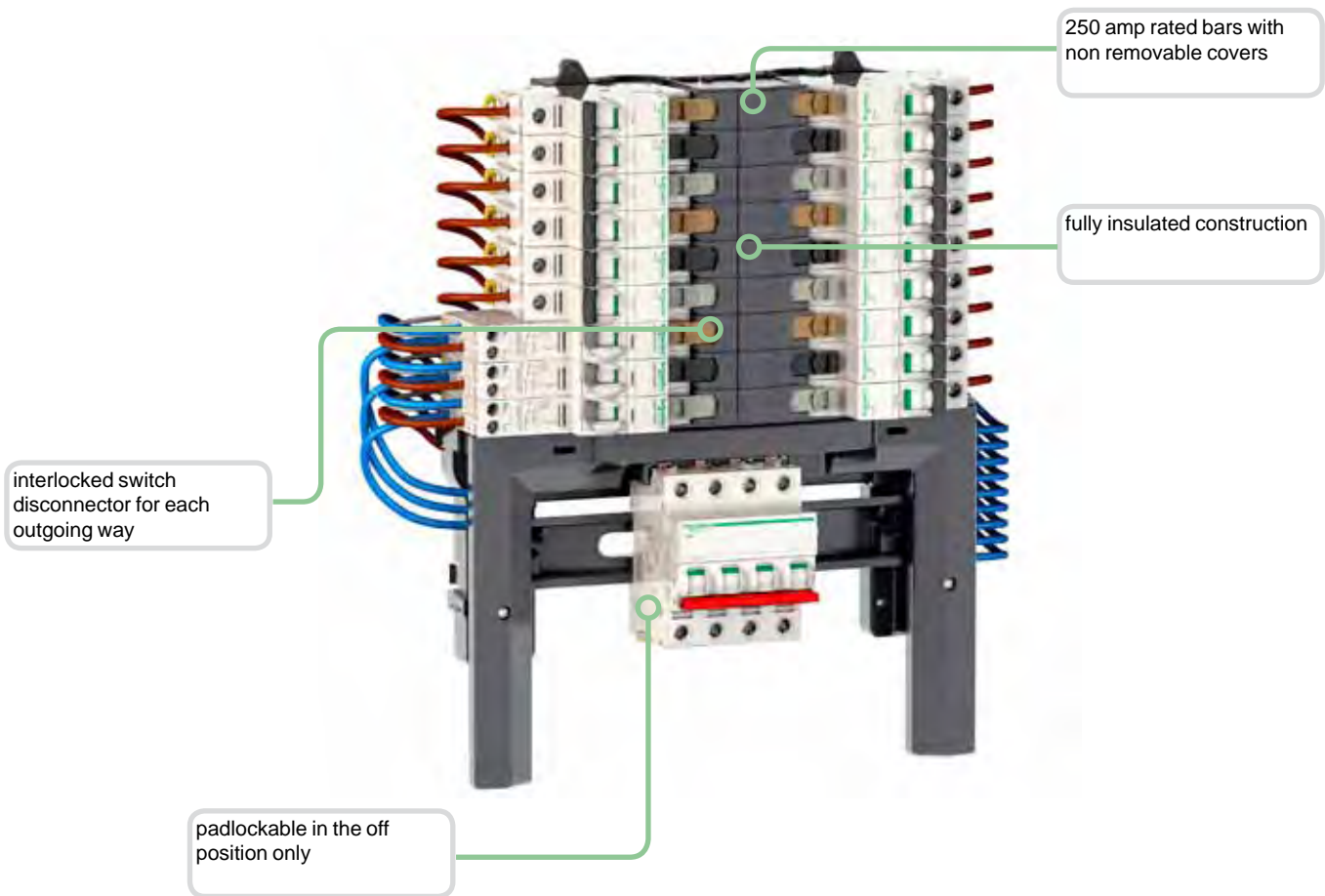
	No of TP ways	No of SP ways	No of DP ways
SEA9BN4	4	12	6
SEA9BN6	6	18	9
SEA9BN8	8	24	12
SEA9BN12	12	36	18
SEA9BN16	16	48	24
SEA9BN18	18	54	26
SEA9BN24	24	72	36

Acti9 Isobar Meter ready distribution boards busbar rating 250amp

	No of TP ways	No of SP ways	No of DP ways
SEA9BN6M	6	18	9
SEA9BN8M	8	24	12
SEA9BN12M	12	36	18
SEA9BN16M	16	48	24
SEA9BN18M	18	54	26
SEA9BN24M	24	72	36

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Acti9 Isobar B type distribution boards



Acti9 Isobar Split metered* distribution boards busbar rating 125 amp

	lower pan assembly No of TP ways	No of SP ways	upper pan assembly No of TP ways	No of SP ways
SEA9BN1254S8	6	18	8	24
SEA9BN1258S8	8	24	8	24
SEA9BN12512S8	14	42	8	24
SEA9BN12514S6	16	48	6	18
SEA9BN12516S4	18	54	4	12

Acti9 Isobar Split metered* distribution boards busbar rating 250 amp

	lower pan assembly No of TP ways	No of SP ways	upper pan assembly No of TP ways	No of SP ways
SEA9BN2504S8	6	18	8	24
SEA9BN2508S8	8	24	8	24
SEA9BN25012S8	14	42	8	24
SEA9BN25014S6	16	48	6	18
SEA9BN25016S4	18	54	4	12

*MID 3 Phase kWh kit Modbus communications and pulsed output

Metering kits				
Acti9 Standard distribution boards			rating (A)	connection
SEA9BNKWH	MID 3 Phase kWh kit Modbus communications and pulsed output	height 270 (mm)	250	via CT
SEA9BNKWHP	MID 3 Phase kWh kit pulsed output	height 270 (mm)	250	via CT
SEA9BNMETE	Metering enclosure for standard Acti9 Isobar boards	height 270 (mm)	250	via CT
Acti9 Meter ready distribution boards			rating (A)	connection
SEA9BN3155	MID 3 Phase kWh kit Modbus communications and pulsed output	integral	63	direct
SEA9BN3110	MID 3 Phase kWh kit pulsed output	integral	63	direct
SEA9BN3255	MID 3 Phase kWh kit Modbus communications and pulsed output	height 135 (mm)	125	via CT
SEA9BN3210	MID 3 Phase kWh kit pulsed output	height 135 (mm)	125	via CT

Connections

Rating	Copper lugs	Bare cables	Device
125 amp	18	50mm	DIN switch disconnecter/Terminal block
		70mm with spreader connection	DIN switch disconnecter
160 -250 amp	95mm	185mm with cable clamps	Interpact Switch Disconnecter
	95mm	185mm with cable clamps	NSX Moulded case circuit breaker
	120 mm		Terminal block

Technical data Standard, Meter ready, Split metered Acti9 Isobar

Main characteristics		230/240v	400v	415v
Withstand	conditional	25kA	25kA	25kA
	unconditional	25kA/50mS	25kA/50mS	25kA/50mS
		17kA/200mS	17kA/200mS	17kA/200mS
insulation voltage (Ui)		500vAC	500vAC	500vAC
Pollution degree		3	3	3
Rated impulse withstand voltage (Uimp)		6kV	6kV	6kV
Current rating (A)	direct connection	125/250	6kV	6kV
	Switch disconnecter	125	DIN mounted Power switch	
		160-200-250	Interpact	
	MCCB	100-160-200-225-250		
Degree of protection (IEC 60529)		External IP30 or IP55		
		Internal IP20		
Endurance (O-C) Isobar switch disconnecter		3000		
Overtoltage category		IV		
Operating temperature		-35 to +70°C		
Storage teperature		-40 to +80°C		

Acti9 Isobar B type distribution boards



Main characteristics Acti9 Isobar IP55

According to BE EN 61439-3		230/240v	400v	415v
Withstand	conditional	25kA	25kA	25kA
	unconditional	25kA/50mS	25kA/50mS	25kA/50mS
		17kA/200mS	17kA/200mS	17kA/200mS
insulation voltage (Ui)		500vAC		
Pollution degree		3		
Rated impulse withstand voltage (Uimp)		6kV		
Current rating (A)		100A		
Degree of protection (IEC 60529)		External IP30 or IP55 Internal IP20		
Endurance (O-C) Isobar switch disconnecter		3000		
Overtoltage category		IV		
Operating temperature		-35 to +70°C		
Storage teperature		-40 to +80°C		

Catalogue numbers

Acti9 Isobar Standard IP55 distribution boards busbar rating 125amp steel door

	No of TP ways	No of SP ways	No of DP ways
SEA9BN6HDGR	6	18	9
SEA9BN8HDGR	8	24	12
SEA9BN12HDGR	12	36	18
SEA9BN16HDGR	16	48	24

Acti9 Isobar Standard IP55 distribution boards busbar rating 125amp transparent door

	No of TP ways	No of SP ways	No of DP ways
SEA9BN6HDGK	6	18	9
SEA9BN8HDGK	8	24	12
SEA9BN12HDGK	12	36	18
SEA9BN16HDGK	16	48	24

Weight (kG) - Dimensions (mm)

Standard	Meter ready	Split load	kG	Height	width	depth
4 way	■	■	9	484	470	139
6 way	6 way	■	10.5	484	470	138
8 way	6 way	■	11	538	470	138
12 way	12 way	■	13.5	700	470	139
16 way	16 way	■	16	808	470	139
18 way	18 way	■	16.2	862	470	139
24 way	24 way	■	22	1024		139
■	■	all versions	28	1294	470	139
250 amp incoming section			4	400	470	130
IP55			kG	Height	width	depth
6 way		■	32.4	650	600	330
8 way		■	32.9	650	600	330
12 way		■	40.1	800	600	330
16 way		■	41.4	800	600	330

Incommers							
Switch disconnecter		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
SEA91253N		125	3P+N	Int	Int	Int	Int
SEA91254		125	4	Int	Int	Int	Int
SEA9NI1603		160	3P+N	Ext	Ext	Ext	■
SEA9NI1604		160	4	Ext	Ext	Ext	■
SEA9NI2003		200	3P+N	Ext	Ext	Ext	■
SEA9NI2004		200	4	Ext	Ext	Ext	■
SEA9NI2254		225	4	Ext	Ext	Ext	■
SEA9NI2503		250	3P+N	Ext	Ext	Ext	■
SEA9NI2504		250	4	Ext	Ext	Ext	n ■
Moulded Case Circuit Breaker		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
SEA9NCB1004		70-100	4	Ext	Ext	Ext	■
SEA9NCB1604		112-160	4	Ext	Ext	Ext	■
SEA9NCB2004		140-200	4	Ext	Ext	Ext	■
SEA9NCB2504		175-250	4	Ext	Ext	Ext	■
Residual current circuit breaker sensitivity (mA)		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
A9R41463	30	63	4	Int	Int	Int	Int
A9R12463	100	63	4	Int	Int	Int	Int
A9R44463	300	63	4	Int	Int	Int	Int
A9R15463	300/time delayed	63	4	Int	Int	Int	Int
A9R11480	30	80	4	Int	Int	Int	Int
A9R14491	300	100	4	Int	Int	Int	Int
A9R15491	300/time delayed	100	4	Int	Int	Int	Int
SEA9NI160RCCB	adjustable	160	■	Ext	Ext	Ext	■
Terminals for direct connection		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
SEA9TB1254		125	4	Int	Int	Int	Int
SEA9NTB2504		250	4	Ext	Ext	Ext	■
Dual source incomer		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
SEA9NDSI	*270mm enclosure	125	4	Ext	Ext	Ext	■
Contactor incomer		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
SEA9BN100CCI	*270mm enclosure	100	4	Ext	Ext	Ext	■
Dual metered extension enclosure		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
SEA9BNDM160SD	Interpact SD	160	4	Ext	■	■	■
SEA9BNDM200SD	Interpact SD	200	4	Ext	■	■	■
SEA9BNDM250SD	Interpact SD	250	4	Ext	■	■	■
SEA9BNDM160M	NSX MCCB	160	4	Ext	■	■	■
SEA9BNDM200M	NSX MCCB	200	4	Ext	■	■	■
SEA9BNDM250M	NSX MCCB	250	4	Ext	■	■	■
*MID 3 Phase kWh kit Modbus communications and pulsed output							
Single phasing kits		rating (A)	no of poles	Standard	Meter ready	Split metered	IP55
SEA9125SPEV		125	4	Int	Int	Int	Int
SEA9250SPEV		250	4	Int	Int	Int	Int

Int= Internal to the distribution board
Ext = in 400mm high extension enclosures
■ = not applicable

Acti9 Isobar B type distribution boards

Top or Bottom Extension enclosures height 270 (mm)		not applicable		
Switch disconnecter	Description			
SEA9BNEXN	plain front cover for additional wiring space			
SEA9BNEX034N	mounting of DIN devices, overall door and cutout for 17 x 18mm poles			
SEA9BNEXA15N	single phase add on distribution board 15 way			
Side Extension enclosures				
Reference	Description	No of rows	total 18mm SP ways	dimensions
SEA9N4SXS	Slotted front cover + overall door	2	34	SEA9BN4
SEA9N8SXS	Slotted front cover + overall door	2	34	SEA9BN8
SEA9N12SXS	Slotted front cover + overall door	3	51	SEA9NB12
SEA9N16SXS	Slotted front cover + overall door	4	68	SEA9NB16
SEA9N24SXS	Slotted front cover + overall door	5	85	SEA9NB24
SEA9N4SXP	Plain front cover+ overall door	2	34	SEA9BN4
SEA9N8SXP	Plain front cover+ overall door	2	34	SEA9BN8
SEA9N12SXP	Plain front cover+ overall door	3	51	SEA9NB12
SEA9N16SXP	Plain front cover+ overall door	4	68	SEA9NB16
SEA9N24SXP	Plain front cover+ overall door	5	85	SEA9NB24
Accessories				
Reference	Description	Reference	Description	
SEA9BL	Door lock	SEA9NB4	Distributed neut'l for 4 way TP+N	
SEA9PD	Padlock kit for door	SEA9NB6	Distributed neut'l for 6 way TP+N	
SEA9NEK1	Extra earth terminal bar 14 hole	SEA9NB8	Distributed neut'l for 8 way TP+N	
SEA9NEK2	Extra earth terminal bar 20 hole	SEA9NB12	Distrib'd neut'l for 12 way TP+N	
SEA9NEK3	Extra earth terminal 26 hole	SEA9NB16	Distrib'd neut'l for 16 way TP+N	
		SEA9NB18	Distrib'd neut'l for 18 way TP+N	
SEA9BN63SPL	split load lit 63 amp	SEA9NB24	Distrib'd neut'l for 24 way TP+N	
SEA9BNSJKN	Side joining kit	SEA9NKIT	Phase to neutral conversion kit (pack 4)	
SEA9BNTJKA	Top/bottom joining kit for enc/ext/enc			
SEA9BNTJKB	Top bottom kit replacing gland plate			
SEA9BNTJKN	Joining kit B board top/bottom			
SEA9BP	Blank pole			
SEA9BP25	Pack of 25 x 5 pole filler			
SEA9BP5	single 5 pole filler			
SEA9TB1001	100 amp terminal block 1 pole			
SEA9BNBCE7	clean earth B boards 7 hole			
SEA9BNBCE13	clean earth B boards 13 hole			
SEA9BNBCE25	Clean earth B boards 25 hole			
SEA9BNWL	TP&N LABELS			

Acti9 Isobar B type distribution boards

Pan assemblies - 3 phase without distributed neutral, supplied without mounting plate	
Reference	Description
SEA9BN4PS	Pan Assembly 4 way TP&N
SEA9BN6PS	Pan Assembly 6 way TP&N
SEA9BN8PS	Pan Assembly 8 way TP&N
SEA9BN12PS	Pan Assembly 12 way TP&N
SEA9BN16PS	Pan Assembly 16 way TP&N
SEA9BN18PS	Pan Assembly 18 way TP&N
SEA9BN24PS	Pan Assembly 24 way TP&N

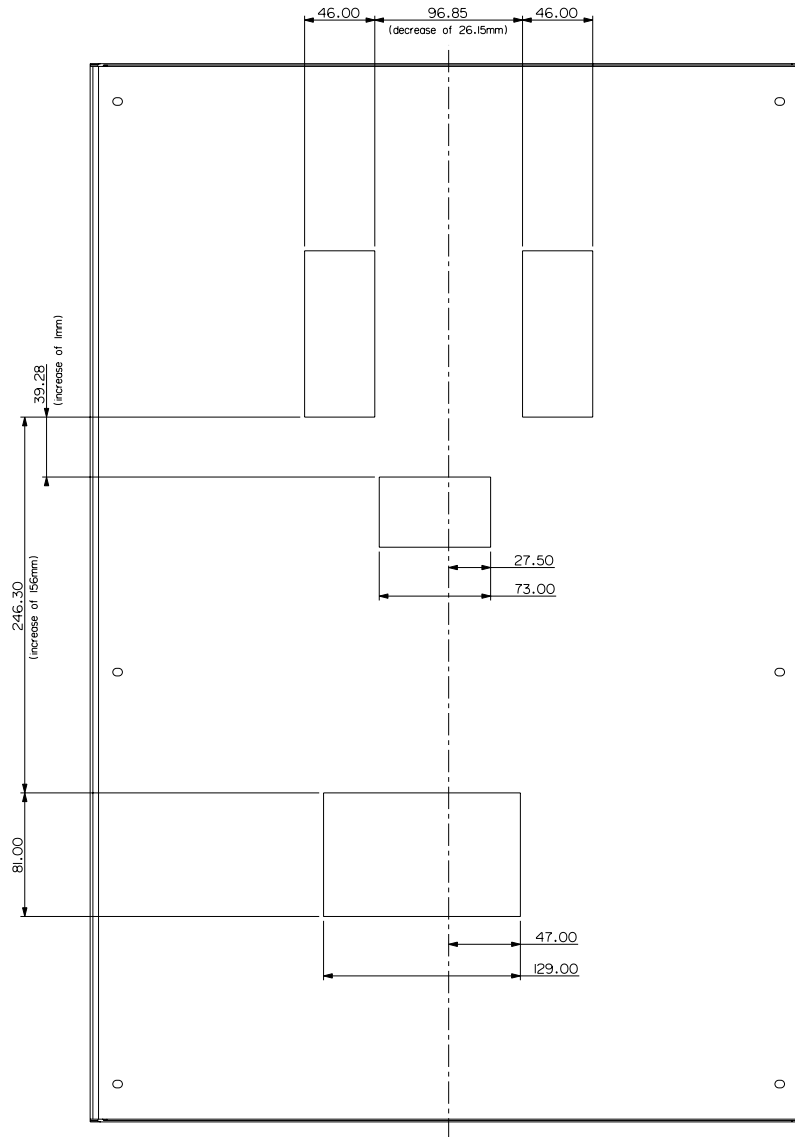
Pan assemblies - replacement for Acti9 Isobar and Isobar 4c distribution boards	
Reference	Description
SEA9BN4P	B board replacement pan assembly
SEA9BN6P	B board replacement pan assembly
SEA9BN8P	B board replacement pan assembly
SEA9BN12P	B board replacement pan assembly
SEA9BN16P	B board replacement pan assembly
SEA9BN18P	B board replacement pan assembly
SEA9BN24P	b board replacement pan assembly

Pan assemblies - for switchboard mounting supplied with earths and neutral, phase coloured Isobar switch disconnectors	
Reference	Description
SEA9BN4E	pan assembly 4 way TP+ earth and neutral
SEA9BN6E	pan assembly 6 way TP+ earth and neutral
SEA9BN8E	pan assembly 8 way TP+ earth and neutral
SEA9BN12E	pan assembly 12 way TP+ earth and neutral
SEA9BN16E	pan assembly 16 way TP+ earth and neutral
SEA9BN18E	pan assembly 18 way TP+ earth and neutral
SEA9BN24E	pan assembly 24 way TP+ earth and neutral

Pan assemblies - for switchboard mounting supplied with earths and neutral, black Isobar switch disconnectors	
Reference	Description
SEA9BN4PEV	pan assembly 4 way TP+ earth and neutral
SEA9BN6PEV	pan assembly 6 way TP+ earth and neutral
SEA9BN8PEV	pan assembly 8 way TP+ earth and neutral
SEA9BN12PEV	pan assembly 12 way TP+ earth and neutral
SEA9BN16PEV	pan assembly 16 way TP+ earth and neutral
SEA9BN18PEV	pan assembly 18 way TP+ earth and neutral
SEA9BN24PEV	pan assembly 24 way TP+ earth and neutral

Pan assemblies - 3 phase without distributed neutral, supplied fitted on a mounting plate	
Reference	Description
SEA9BN4TN	4 TP&N way panel fixing pan assm
SEA9BN6TN	6 TP&N way panel fixing pan assm
SEA9BN8TN	8 TP&N way panel fixing pan assm
SEA9BN12TN	12 TP&N way panel fixing pan assm
SEA9BN16TN	16 TP&N way panel fixing pan assm
SEA9BN18TN	18 TP&N way panel fixing pan assm
SEA9BN24TN	24 TP&N way panel fixing pan assm

Acti9 Isobar B type distribution boards



Pan assemblies - accessories	
Reference	Description
SEA9BINCKIT	250 amp incoming terminal block

iC60H circuit breakers (curve B, C, D)



BS/EN 60947-2 BS/EN 60898-1

- iC60H circuit breakers are multi-standard circuit breakers which combine the following functions:
 - circuit protection against short-circuit currents,
 - circuit protection against overload currents,
 - suitable for industrial isolation according to IEC/EN 60947-2, standard.
 - fault tripping indication by a red mechanical indicator in circuit breaker front face.

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2						Service breaking capacity (Ics)
		Voltage (Ue)				
Ph/Ph (2P, 3P, 4P)		12 to 133 V	220 to 240 V	380 to 415 V	440 V	100 % of Icu
Ph/N (1P)		12 to 60 V	100 to 133 V	220 to 240 V	-	
Rating (In)	1 to 4 A	70 kA	70 kA	70 kA	50 kA	50 % of Icu
	6 to 40 A	42 kA	30 kA	15 kA	10 kA	
	50/63 A	42 kA	-	15 kA	10 kA	

Breaking capacity (Icn) according to IEC/EN 60898-1	
Voltage (Ue)	
Ph/Ph	400 V
Ph/N	230 V
Rating (In)	1 to 63 A
	10000 A

Direct current (DC)

Breaking capacity (Icu) according to IEC/EN 60947-2						Service breaking capacity (Ics)
		Voltage (Ue)				
Between +/-		12 to 48 V	72 V	100 to 133 V	220 to 250 V	100 % of Icu
Number of poles		1P	2P (in series)	3P (in series)	4P (in series)	
Rating (In)	1 to 63 A	20 kA	10 kA	10 kA	20 kA	10 kA

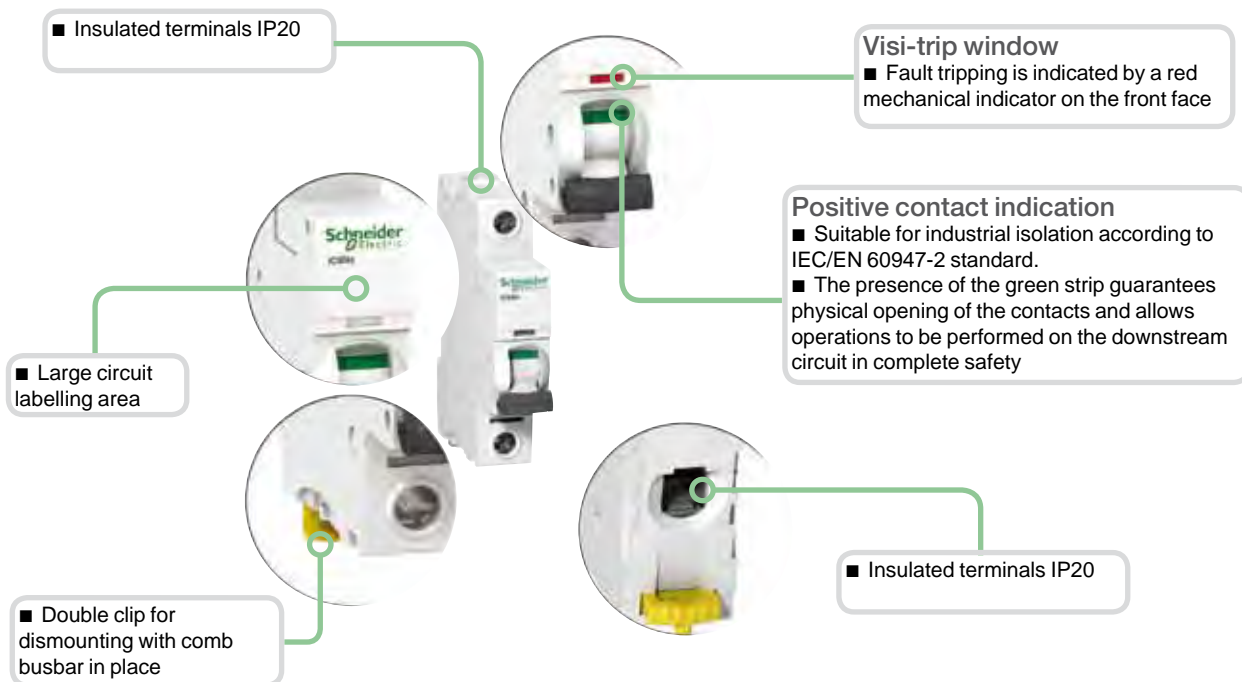
Catalogue numbers

iC60H circuit breaker

Type	1P			2P		
	Calibre (In)			Calibre (In)		
	Courbe			Courbe		
	B	C	D	B	C	D
1 A	A9F53101	A9F54101	A9F55101	A9F53201	A9F54201	A9F55201
2 A	A9F53102	A9F54102	A9F55102	A9F53202	A9F54202	A9F55202
3 A	A9F53103	-	-	-	-	-
4 A	A9F53104	A9F54104	A9F55104	A9F53204	A9F54204	A9F55204
6 A	A9F53106	A9F54106	A9F55106	A9F53206	A9F54206	A9F55206
10 A	A9F53110	A9F54110	A9F55110	A9F53210	A9F54210	A9F55210
16 A	A9F53116	A9F54116	A9F55116	A9F53216	A9F54216	A9F55216
20 A	A9F53120	A9F54120	A9F55120	A9F53220	A9F54220	A9F55220
25 A	A9F53125	A9F54125	A9F55125	A9F53225	A9F54225	A9F55225
32 A	A9F53132	A9F54132	A9F55132	A9F53232	A9F54232	A9F55232
40 A	A9F53140	A9F54140	A9F55140	A9F53240	A9F54240	A9F55240
50 A	A9F53150	A9F54150	A9F55150	A9F53250	A9F54250	A9F55250
63 A	A9F53163	A9F54163	A9F55163	A9F53263	A9F54263	A9F55263
Width in 9-mm modules	2			4		

(1) VDE approved only.

iC60H circuit breakers (curve B, C, D) (cont.)

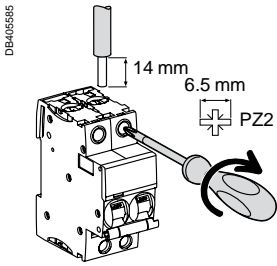


- Increased product service life thanks to:
 - overvoltage resistance by high level of industrial performances conception (pollution degree, rated impulse withstand voltage and insulation voltage),
 - high performance limitation (see limitation curves),
 - fast closing independent of the speed of actuation of the toggle.
- Remote indication, open/closed/tripped, by optional auxiliary contacts.
- Top or bottom electrical feeding.

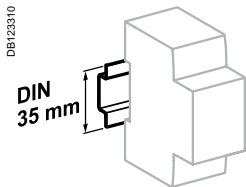
3P			4P		
E46095			E46097		
Courbe			Courbe		
B	C	D	B	C	D
A9F53301	A9F54301	A9F55301	A9F53401	A9F54401	A9F55401
A9F53302	A9F54302	A9F55302	A9F53402	A9F54402	A9F55402
-	-	-	-	-	-
A9F53304	A9F54304	A9F55304	A9F53404	A9F54404	A9F55404
A9F53306	A9F54306	A9F55306	A9F53406	A9F54406	A9F55406
A9F53310	A9F54310	A9F55310	A9F53410	A9F54410	A9F55410
A9F53316	A9F54316	A9F55316	A9F53416	A9F54416	A9F55416
A9F53320	A9F54320	A9F55320	A9F53420	A9F54420	A9F55420
A9F53325	A9F54325	A9F55325	A9F53425	A9F54425	A9F55425
A9F53332	A9F54332	A9F55332	A9F53432	A9F54432	A9F55432
A9F53340	A9F54340	A9F55340	A9F53440	A9F54440	A9F55440
A9F53350	A9F54350	A9F55350	A9F53450	A9F54450	A9F55450
A9F53363	A9F54363	A9F55363	A9F53463	A9F54463	A9F55463
6			8		

iC60H circuit breakers (curve B, C, D) (cont.)

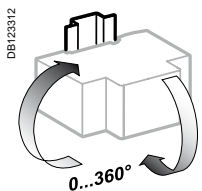
Connection



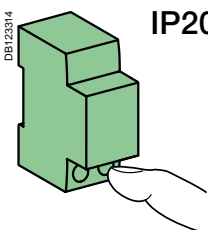
Rating	Tightening torque	Without accessory		With accessories			
		Copper cables Rigid	Copper cables Flexible or ferrule	50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal Rigid cables	Multi-cables terminal Flexible cables
1 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²	-	∅ 5 mm	-	-
32 to 63 A	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	-	3 x 16 mm ²	3 x 10 mm ²



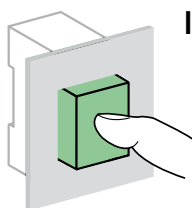
Clip on DIN rail 35 mm.



Indifferent position of installation.



IP20



IP40

Technical data

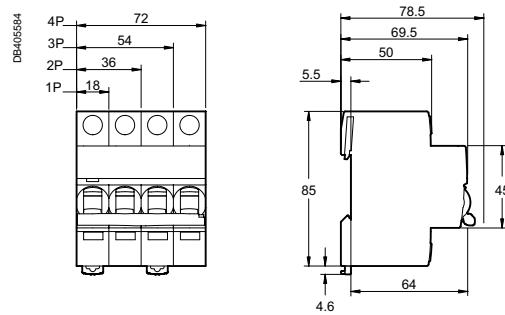
Main characteristics		
According to IEC/EN 60947-2		
Insulation voltage (U _i)		500 V AC
Pollution degree		3
Rated impulse withstand voltage (U _{imp})		6 kV
Thermal tripping	Reference temperature	50 °C
Magnetic tripping	B curve	4 I _n ± 20 %
	C curve	8 I _n ± 20 %
	D curve	12 I _n ± 20 %
Utilization category		A
According to IEC/EN 60898-1		
Limitation class		3
Rated making and breaking capacity of an individual pole (I _{cn1})		I _{cn1} = I _{cn}
Additional characteristics		
Breaking capacity under 1 pole with IT 380-415 V isolated neutral system (case of double fault)	40 A	4 kA
	50/63 A	3 kA
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40 Insulation classe II
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Overvoltage category (IEC 60364)		IV
Operating temperature		-35°C to +70°C
Storage temperature		-40°C to +85°C
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity 95 % to 55°C)

iC60H circuit breakers (curve B, C, D) (cont.)

Weight (g)

Circuit-breaker	
Type	iC60H
1P	125
2P	250
3P	375
4P	500

Dimensions (mm)





IEC 61009-1,
IEC 61009-2-2,
BS EN 61009-1
AS/NZS 61009.1

- The single-phase iC60H RCBO's self-contained residual current device carries out complete protection of final circuits:
 - protection against short-circuits and cable overloads
 - protection of persons against electric shock by direct contact (10, 30 mA sensitivities),
 - protection of persons against electric shock by indirect contact (100 mA sensitivity),
 - protection of equipment against fires set by leakage currents (100 mA sensitivity).
- The neutral is not interrupted when the device is tripped. Hence iC60H RCBO can be used on most circuits, except for the ones operating under TT or IT earthing systems.

Alternating current (AC) 50/60 Hz

Breaking capacity (I_{cn}) according to IEC 61009-1

Ph/N	Voltage (U_e)	
	110 V	240 V
Rating (I_n)	6 to 45 A	10000 A


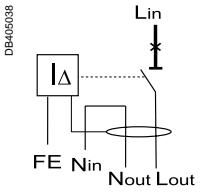
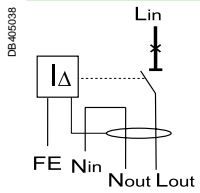
Accessory

Padlocking device

- Used to lock the toggle in the "open" or "closed" position by 4 mm diameter padlock (not supplied).

Catalogue numbers

iC60H RCBO 10000

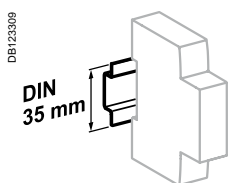
1P+N				A 			Width in 9-mm modules		
B curve	Voltage rating (V)	Sensitivity ($I_{\Delta n}$)	10 mA	30 mA	100 mA				
	240	Rating (I_n)	6 A	-	A9D31806	-	2		
			10 A	-	A9D31810	-			
			16 A	-	A9D31816	-			
			20 A	-	A9D31820	-			
			25 A	-	A9D31825	-			
			32 A	-	A9D31832	-			
			40 A	-	A9D31840	-			
			45 A	-	A9D31845	-			
	110	Rating (I_n)	10 A	-	A9D19810	-	2		
			16 A	-	A9D19816	-			
			20 A	-	A9D19820	-			
			25 A	-	A9D19825	-			
			32 A	-	A9D19832	-			
	240	Rating (I_n)	6 A	A9D10806	A9D11806	A9D12806			
			10 A	A9D10810	A9D11810	A9D12810			
			16 A	A9D10816	A9D11816	A9D12816			
			20 A	A9D10820	A9D11820	A9D12820			
			25 A	A9D10825	A9D11825	A9D12825			
			32 A	A9D10832	A9D11832	A9D12832			
			40 A	A9D10840	A9D11840	A9D12840			
			45 A	A9D10845	A9D11845	A9D12845			
			Operating frequency				50...60 Hz		

Accessory

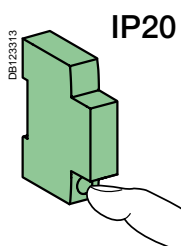
Type	
Padlocking device (bag of 10 pieces)	A9A27049

Technical data

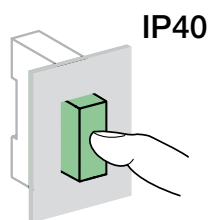
Main characteristics		iC60H RCBO
Insulation voltage (Ui)		
Rated impulse withstand voltage (Uimp)		
Rated residual operating current (IΔn)		10, 30, 100 mA
Thermal tripping	Reference temperature	
Temperature derating		
Limitation class		
Surge current withstand (8/20 μs) without tripping		
Rated nominal breaking capacity (Icn)		10,000 A
Phase/earth rated residual breaking and making capacity (IΔm)		7,500 A
Additional characteristics		
Degree of protection	Device only	
	Device in modular enclosure	
Endurance (O-C)	Electrical	
	Mechanical	
Operating temperature		
Storage temperature		
Tropicalization		



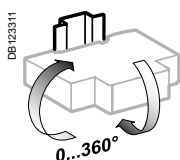
Clip on DIN rail 35 mm.



IP20



IP40

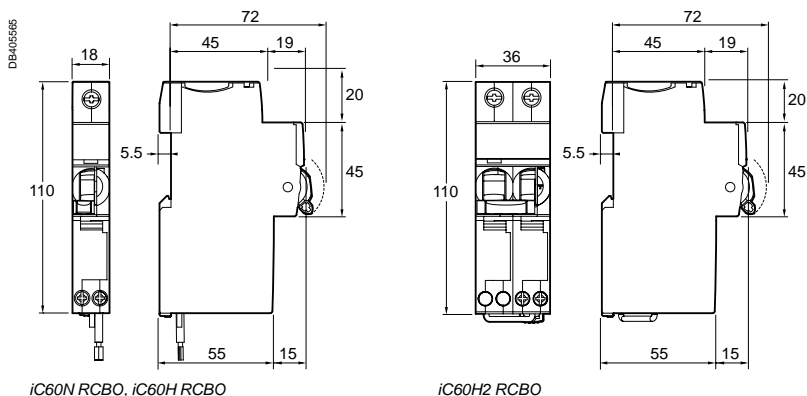


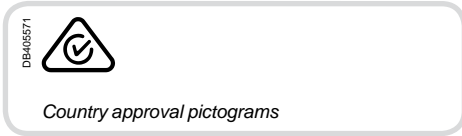
Indifferent position of installation.

Weight (g)

iC60 RCBO	
iC60N RCBO	205
iC60H RCBO	205
iC60H2 RCBO	332

Dimensions (mm)





IEC/EN 61009-1



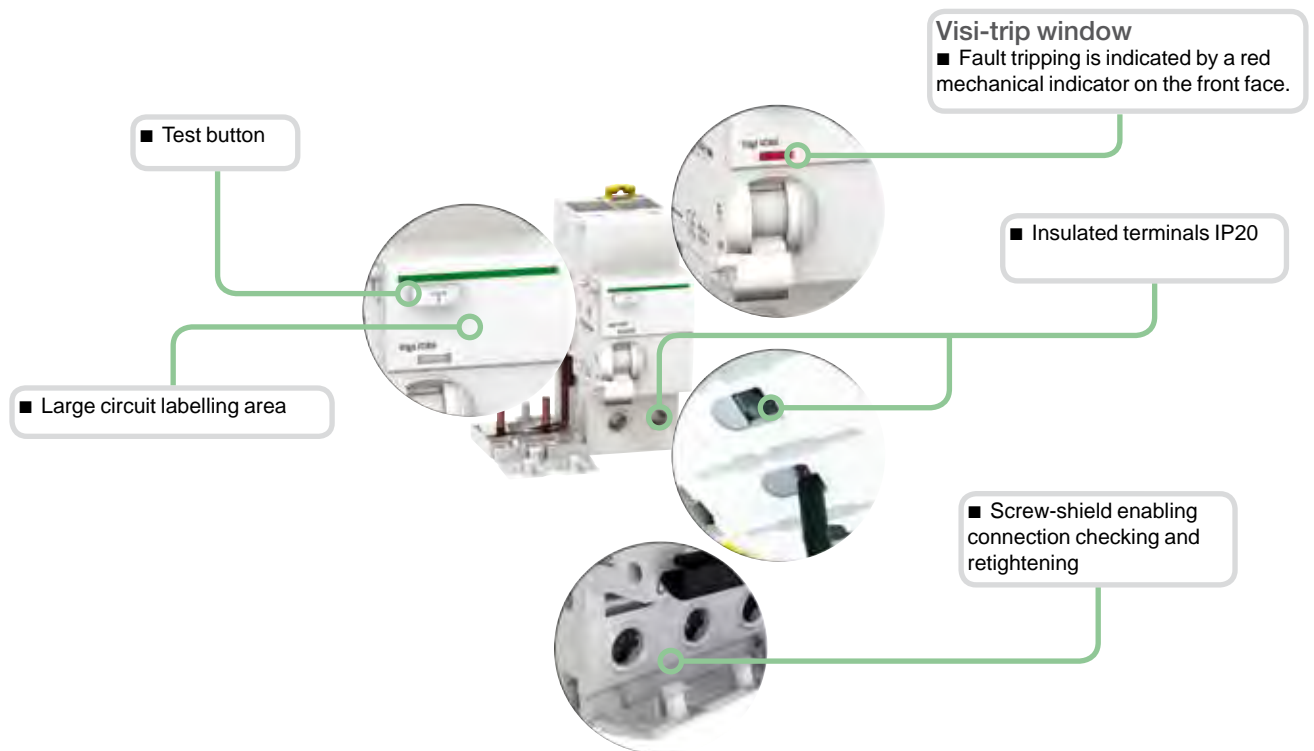
- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA).

Catalogue numbers

Vigi iC60 add-on residual current devices							
Type	A						Width in 9 mm modules
Product	Vigi iC60						
Auxiliaries	Without auxiliaries						
DB122462 	Sensitivity Rating	10 mA	30 mA	100 mA	300 mA		
		25 A	A9V00625				3
		63 A	-	A9V02663 A9V01663*	A9V03663	A9V06663	4
DB122464 	Sensitivity Rating	10mA	30 mA	100 mA	300 mA		
		63 A	-	A9V02763	-	A9V06763	7
Voltage rating (Ue)	230 - 240 V, 400 - 415 V Except * 110 V						
Operating frequency	50/60 Hz						

Vigi iC60 add-on residual current devices (AC, A, *SI* types) (cont.)

PB 104466-40

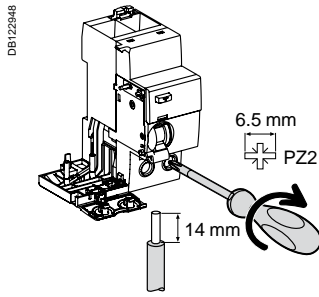




SI type

The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

Vigi iC60 add-on residual current devices (A type)

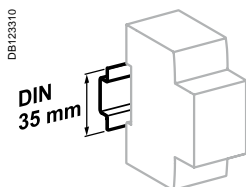
Connection



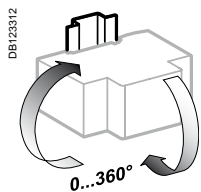
Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible or ferrule
Vigi iC60	25 A	2 N.m	 1 to 25 mm ²	 1 to 16 mm ²
	40 to 63 A	3.5 N.m		

DBI122945

DBI122946





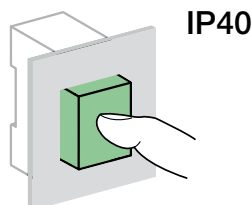
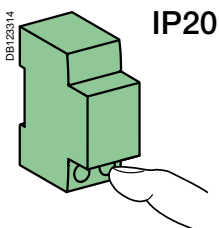
Clip on DIN rail 35 mm.



Indifferent position of installation.

Technical data

Main characteristics		
Insulation voltage (U _i)		500 V
Pollution degree		3
Rated impulse withstand voltage (U _{imp})		6 kV
According to IEC/EN 61009-1		
Surge current withstand (8/20 μs) without tripping	A type (no selective )	250 Å
	A type (selective )	3 kÅ
Additional characteristics		
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40 Insulation classe II
Operating temperature	AC type	-5°C to +60°C
	A and S/types	-25°C to +60°C
Storage temperature		-40°C to +85°C



Electrical auxiliaries for iC60, iID, iDPN Vigi, iSW-NA, RCA and ARA

- The electrical auxiliaries are combined with iC60 circuit breakers, iID residual current circuit breakers, remote tripping switch disconnectors iSW-NA, RCA remote controls and ARA automatic reclosers; they enable tripping or remote indication of their position (open/closed/tripped) upon a fault.
- They are fastened by clips (without tools) to the left side of the breaker.
- The iOF/SD+OF auxiliary is a 2-in-1 product: via a mechanical selector switch, it provides two contacts, OF+SD or OF+OF.
- The iOF+SD24 auxiliary can report open/closed (OF) status information and intentional or fault tripping of the associated device (SD) to the Acti 9 Smartlink or a programmable logic controller via the TI24 interface (24 V DC).

Tripping auxiliaries:

IEC/EN 60947-1

- iMN: undervoltage release
- iMNs: delayed undervoltage release
- iMNx: undervoltage release, independent from supply voltage
- iMX: shunt release
- iMX+OF: shunt release with open/close contact.

EN 50550

- iMSU: overvoltage release

Indication auxiliaries:

IEC/EN 60947-5-1

- iOF: open/close contact
- iSD: fault indicating contact
- iOF/SD+OF: open/close contact and switchable OF or SD contact.

IEC/EN 60947-5-4

- iOF+SD24: open/close contact OF and default indicating contact SD with TI24 interface.

DB404939



Electrical auxiliaries for iC60, iLD, RCA and ARA (cont.)

The mounting order for the various auxiliaries must be complied with. The tripping auxiliaries (iMN, iMX) should be mounted first, as close as possible to the circuit breaker or the residual current circuit breaker. Then, the indicating auxiliaries (iOF, iSD) should be mounted, complying with their position shown in the following table.

Indicating auxiliaries



PE104474-25



PE104475-25














1 (iOF/SD+OF or iOF+SD24 or iSD)	1 iOF/SD+OF
1 iOF	1 (iSD or iOF or iOF/SD+OF)
None	1 iOF+SD24
None	None
1 iSD	1 iSD
None	1 (iSD or iOF or iOF/SD+OF or iOF+SD24)
1 iOF	1 (iSD or iOF or iOF/SD+OF)
None	1 (iSD or iOF or iOF/SD+OF or iOF+SD24)
1 iOF	1 (iSD or iOF or iOF/SD+OF)





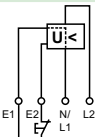


Tripping devices must be mounted first. Comply with the position of the SD function.

***iSW-NA : the iSD auxiliary contact must be associated with an auxiliary (iMN, iMX, iMX+OF); it indicates that the remote tripping switch disconnecter has been tripped open.**

	Tripping auxiliaries	Remote control	Device	Vigi iC60
		ARA automatic recloser or RCA remote control	iC60 circuit breaker or iID residual current circuit breaker	Vigi iC60 add-on residual current device
PB104486-25	1 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-	 iC60	 Vigi iC60
	2 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-		
	2 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-		
	3 iMSU max.	-		
	1 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-	 iID/iSW-NA	-
PB106256-25	1 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	 ARA	 iC60	 Vigi iC60
	None		 iID	-
	1 (iMX or iMN or iMSU) max.	 RCA	 iC60	 Vigi iC60
	None			



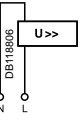
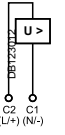
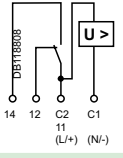
Electrical auxiliaries for iC60, iID, iDPN Vigi, iSW-NA, RCA and ARA (cont.)

		Tripping					
Auxiliaries		iMN		iMNs		iMNx	
Type		Undervoltage release					
		Instantaneous		Delayed		Independent of the supply voltage	
							
Function		<ul style="list-style-type: none"> Trips the device with which it is combined when its input voltage decreases (between 70 % and 35 % U_n). Prevents device closing again until its input voltage is restored 		<ul style="list-style-type: none"> Not tripping on transient voltage dip (up to 0.2 s) 		<ul style="list-style-type: none"> Tripping of the associated device by opening of the control circuit (e.g. push-button, dry contact) A drop in the supply voltage does not trip the associated device A locking push-button control allows the circuit protected (e.g. machine control) to be placed in safety configuration 	
Wiring diagrams							
Use		<ul style="list-style-type: none"> Emergency stoppage by normally closed push button Ensures the safety of power supply circuits for several machines by preventing "uncontrolled" restarting 				<ul style="list-style-type: none"> Emergency stoppage with fail-safe principle Insensitive to control circuit voltage variation to increase service continuity Important: Before any servicing operation switch off the mains power supply (voltage presence at terminals E1/E2) 	
Catalogue numbers		A9A26960	A9A26961	A9A26959	A9A26963	A9A26969	A9A26971
iC60, iID, iDPN Vigi, iSW-NA, RCA et ARA		■	■	■	■	■	■
iC60, iID double terminals		■	■	■	■	■	■
Technical specifications							
Rated voltage (Ue)	V AC	220...240	48	115	220...240	220...240	380...415
	V DC	—	48	—	—	—	—
Standardised operating and non-response to voltage times (Ua)*		—	—	—	—	—	—
Maximum operating time		—	—	—	—	—	—
Minimum non-response time		—	—	—	—	—	—
Operating frequency	Hz	50/60		400	50/60	50/60	
Red mechanical indicator		On front face			On front face	On front face	
Test function		—			—	—	
Width in 9 mm modules		2			2	2	
Operating current		—			—	—	
Number of contacts		—			—	—	
Operating temperature	°C	-35...+70			-35...+70	-35...+70	
Storage temperature	°C	-40...+85			-40...+85	-40...+85	

*(Ua)

Voltages measured between the phase and the neutral conductor, at which the iMSU device must control the associated protective device.

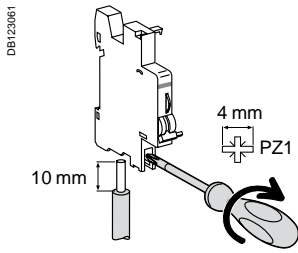
Electrical auxiliaries for iC60, iID, iDPN Vigi, iSW-NA, RCA and ARA (cont.)





iMSU					iMX			iMX+OF				
Overvoltage release					Shunt release			With Open/Close auxiliary contact				
												
<ul style="list-style-type: none"> Switches off the power supply by opening the breaker with which it is combined, in the event that the phase/neutral voltage is exceeded (loss of neutral). For a four-phase network, use three iMSU tripping auxiliaries 					<ul style="list-style-type: none"> Trips the breaker when powered 			<ul style="list-style-type: none"> Includes an open/close contact (OF) to indicate the "open" or "closed" position of the breaker 				
												
<ul style="list-style-type: none"> Protection of equipment against overvoltages on the electrical network (neutral conductor break) Voltage monitoring between phase and neutral conductors 					<ul style="list-style-type: none"> Emergency stoppage by normally open push button 			<ul style="list-style-type: none"> Emergency stoppage by normally open push button Remote indication of the position of the associated breaker 				
A9A26500					A9A26476			A9A26477	A9A26478	A9A26946	A9A26947	A9A26948
■					■			■	■	■	■	■
■					■			■	■	■	■	■
230					100...415			48	12...24	100...415	48	12...24
-					110...130			48	12...24	110...130	48	12...24
255 V AC		275 V AC	300 V AC	350 V AC	400 V AC	-	-	-	-	-	-	
No tripping		15 s	5 s	0.75 s	0.20 s	-	-	-	-	-	-	
		3 s	1 s	0.25 s	0.07 s	-	-	-	-	-	-	
50/60					50/60				50/60			
On front face					On front face				On front face			
-					-				-			
2					2				2			
-					-				≤ 24 V DC	10 mA mini, 6 A maxi		
-					-				48 V DC	2 A		
-					-				≤ 130 V DC	1 A		
-					-				≤ 240 V AC	6 A		
-					-				415 V AC	3 A		
-					-				1 NO/NC			
-35...+70					-35...+70				-35...+70			
-40...+85					-40...+85				-40...+85			

Electrical auxiliaries for iC60, iID, iDPN Vigi, iSW-NA, RCA and ARA (cont.)

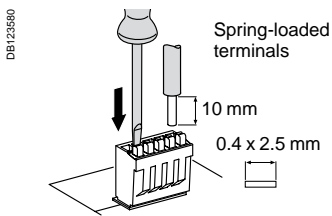
		Indication					
Auxiliaries		iOF	iSD	iOF/SD+OF	iOF+SD24		
Type		Open/close auxiliary contact	Fault indicating contact	Double open/close or fault indicating contact	Double open/close and fault indicating contact		
Function		<ul style="list-style-type: none"> Changeover contact indicates "open" or "closed" position of the breaker 	<ul style="list-style-type: none"> Changeover contact indicates position of the breaker; upon: <ul style="list-style-type: none"> electrical fault action on tripping auxiliary Same indication as VISI-TRIP 	<ul style="list-style-type: none"> The iOF/SD+OF auxiliary is a 2-in-1 product: via a mechanical selector switch, it provides two contacts, OF+SD or OF+OF 	<ul style="list-style-type: none"> 2 contacts (1 NO + 1 NC) can report the signalling information of the associated device to the Acti 9 Smartlink or a programmable logic controller: <ul style="list-style-type: none"> electrical fault actuation of the tripping auxiliary "Open" or "Closed" position of the associated device 		
Wiring diagrams							
Use		<ul style="list-style-type: none"> Remote indication of the position of the associated breaker 	<ul style="list-style-type: none"> Remote indication of tripping upon a fault of the associated breaker 	<ul style="list-style-type: none"> Remote indication of position and/or tripping upon a fault of the associated breaker 	<ul style="list-style-type: none"> Remote indication of position and tripping upon a fault of the associated breaker 		
Catalogue numbers		A9A26924	A9A26869	A9A26927	A9A26855	A9A26929	A9A26897
iC60, iID, iDPN Vigi, iSW-NA, RCA et ARA		■	—	■	—	■	■
iC60, iID double terminals		—	■	—	■	■	■
Technical specifications							
Rated voltage (Ue)	V AC	240...415		240...415		240...415	
	V DC	24...130		24...130		24...130	
Operating frequency	Hz	50/60		50/60		50/60	
Red mechanical indicator		—		On front face		On front face	
Test function		On toggle		On toggle		On toggle	
Width in 9 mm modules		1		1		1	
Operating current	24 V DC	10 mA mini, 6 A maxi		10 mA mini, 6 A maxi		2 mA mini, 50 mA maxi	
	48 V DC	2 A		2 A		—	
	60 V DC	1.5 A		1.5 A		—	
	130 V DC	1 A		1 A		—	
	240 V AC	6 A		6 A		—	
	415 V AC	3 A		3 A		—	
Number of contacts		1 NO/NC		1 NO/NC		1 NO/NC + 1 NO/NC	
Operating temperature	°C	-35...+70		-35...+70		-35...+70	
Storage temperature	°C	-40...+85		-40...+85		-40...+85	



Connection



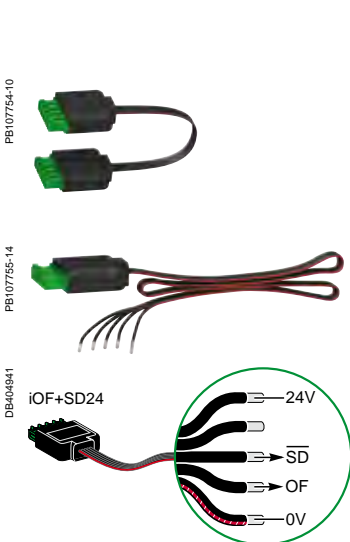
Type	Tightening torque	Copper cables		Multi-cables terminal	
		Rigid	Flexible	Rigid cables	Cables with ferrule
	DB122945				
Indication auxiliaries	1 N.m	1 to 4 mm ²	0.5 to 2.5 mm ²	2 x 2.5 mm ²	2 x 1.5 mm ²
Tripping auxiliaries	1 N.m	1 to 6 mm ²	0.5 to 4 mm ²	2 x 2.5 mm ²	2 x 2.5 mm ²

Ti24 connector connection





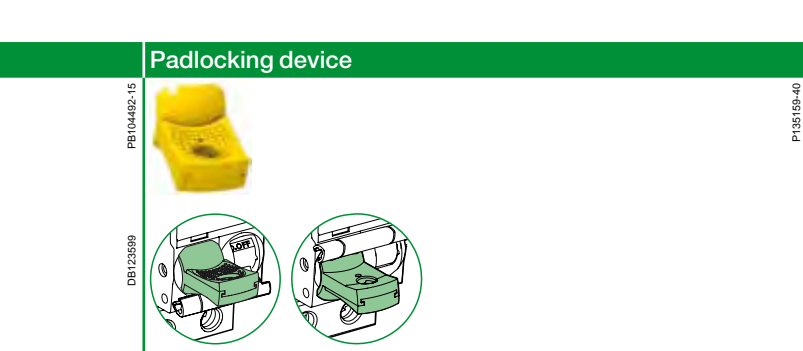
Type	Catalogue numbers	Copper cables	
		Rigid	Flexible
	DB122945		
Ti24 interface	A9XC2412	1 x 0,5 à 1,5 mm ²	1 x 0,5 à 1,5 mm ²

Ti24 prefabricated cables connection



Type	Catalogue numbers	Length
Connection for Acti 9 Smartlink		
6 short prefabricated	A9XCAS06	100 mm
6 medium-sized prefabricated	A9XCAM06	160 mm
6 long prefabricated	A9XCAL06	870 mm
Connection for PLC type terminals		
6 long prefabricated on a single side	A9XCAU06	870 mm

		Mounting						
Accessories		Rotary handle			Plug-in base			
								
Function		<p>Front or side-mounted control</p> <ul style="list-style-type: none"> ■ Degree of protection: IP55 rotary handle ■ Installation: <ul style="list-style-type: none"> □ the control mechanism is mounted on the device □ the rotary handle is fixed to the front or side of the enclosure ■ Front-mounted (on door or faceplate) <ul style="list-style-type: none"> ■ Prevents the door from opening when the device is in the ON position (can be deactivated) ■ Can be padlocked when the device is in the "open" position (can be padlocked with the device in the "closed" position subject to adaptation) ■ Can be locked by padlock of (dia. 5 to 8 mm), not supplied with the device ■ Pushbutton: iID test available in the front face of the rotary handle 			<ul style="list-style-type: none"> ■ The Laser Square tool brings the accuracy to align the circuit breaker and the rotary handle 		<p>Allows a breaker to be removed or replaced quickly, without handling the connections</p> <ul style="list-style-type: none"> ■ Degree of protection: IP20 ■ Consists of: <ul style="list-style-type: none"> □ a base to be fastened on a rail (or panel) □ 2 "blades" to be fastened in the device's terminals ■ Connection: tunnel terminals for cable up to 35 mm² rigid, 25 mm² flexible, ■ Installation: <ul style="list-style-type: none"> □ in universal enclosure □ on horizontal rail ■ Height: 178 mm ■ Not compatible with Vigi iC60 and auxiliaries ■ Can be locked by padlock of (dia. 6 mm), not supplied with the device 	
Catalogue numbers	A9A27005	A9A27006	A9A27008	GVAPL01	A9A27003 (1 per pole)			
	Operating sub-assembly							
	+	+						
	Black handle	Red handle	No handle					
Set of	1	1	1	1	1			
Suitability								
iC60	■ 2P, 3P, 4P				■			
iSW	■ 2P, 3P, 4P				■			
iC60 + Vigi iC60	■ 2P, 3P, 4P				-			
iID	■				■ ≤ 63 A			
Reflex iC60 or RCA+iC60 or ARA+iC60	-				-			
ARA+iID	-				-			









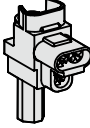
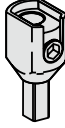




Used to padlock breaker in open or closed position

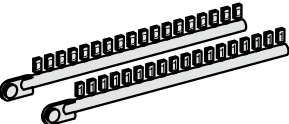
- Padlock diameter: 3 to 6 mm
- Sealable (max. diameter: 1.2 mm)
- Locking in ON position does not prevent tripping of the breaker in the event of faults
- Suitable for IEC/EN 60947-2 compliant disconnection

MCB	RCBO
A9A26970	A9A27049
10	10

■
■
■
■
■
■

Security						
Accessories	Screw shield		Terminal shield		Inter-pole barrier	Spacer
						
Function	Prevents any contact with the connecting screws <ul style="list-style-type: none"> Upgrades degree of protection to IP20D Sealable, max. diameter 1.2 mm 		Prevents any contact with the terminals <ul style="list-style-type: none"> Upgrades degree of protection to IP20D Sealable, max. diameter 1.2 mm Set of two, for upstream and downstream terminals For 3 poles: A9A26975 + A9A26976 For 4 poles: 2 X A9A26976 		Enhances insulation between connections: cables, terminals, lugs, etc	<ul style="list-style-type: none"> Used to: <ul style="list-style-type: none"> complete rows separate devices. Width: 1 x 9 mm module Allows cable routing from one row to another, (above and below), up to 6 mm²
Catalogue numbers	A9A26982	A9A26981	A9A26975	A9A26976	A9A27001	A9A27062
Set of	12 x 1 pole	20 x 4 poles (splittable)	2 x 1 pole	2 x 2 poles	10	5
Suitability						
iC60	-	■	■	■	■	■
iSW	-	-	■	■	■	■
Vigi iC60	■	-	-	-	-	-
iID	-	■	-	■	■	■
Reflex iC60 or RCA+iC60 or ARA+iC60	-	■	■	■	■	■
ARA+iID	-	■	-	■	■	■

		Connection		
Accessories	Multi-cable terminal	50 mm ² terminal Al	Screw-on connection for ring terminal	
				
Function				
	For 3 copper cables: ■ Rigid up to 16 mm ² ■ Flexible up to 10 mm ²	For aluminium cables from 16 to 50 mm ²	For lug tipped cables, front or rear mounting	
				Ø 5 mm
Catalogue numbers	19091	19096	27060	27053
Set of	4	3	1	8
iC60 ≤ 25 A Reflex iC60 ≤ 25 A	–	–	–	■
iC60 >25 A Reflex iC60 40 A, iSW	■	■	■	■
Vigi iC60	–	–	–	–
iID	■	■	■	■
iDPN Vigi	–	–	–	■
iSW-NA	■	■	■	■
Tightening torque	2 N.m		10 N.m	2 N.m
Length stripping	11 mm		13 mm	–
Tools to use	Dia. 5 mm or PZ2		Hc 1/5" or 5 mm	Dia. 5mm

		Marking					
Accessories	Marker strip						
							
Used for connection identification							
Catalogue numbers	0: AB1-R0 1: AB1-R1 2: AB1-R2 3: AB1-R3 4: AB1-R4	5: AB1-R5 6: AB1-R6 7: AB1-R7 8: AB1-R8 9: AB1-R9	A: AB1-GA B: AB1-GB C: AB1-GC D: AB1-GD E: AB1-GE F: AB1-GF G: AB1-GG H: AB1-GH I: AB1-GI	J: AB1-GJ K: AB1-GK L: AB1-GL M: AB1-GM N: AB1-GN O: AB1-GO P: AB1-GP Q: AB1-GQ R: AB1-GR	S: AB1-GS T: AB1-GT U: AB1-GU V: AB1-GV W: AB1-GW X: AB1-GX Y: AB1-GY Z: AB1-GZ	+ : AB1-R12 - : AB1-R13 blank: AB1-RV	
Set of	250						
iC60, Reflex iC60, iSW	■ 4 markers max. per pole						
Vigi iC60	■ 4 markers max. per device						
iID	■ 4 markers max. per device						
iDPN Vigi	■ 4 markers max. per device						
iSW-NA	■ 4 markers max. per device						

iID residual current circuit breakers (AC type)

IEC/EN 61008-1



- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

Catalogue numbers

iID residual current circuit breakers										
Type	AC								Width in 9 mm module	
Product	iID									
Auxiliaries										
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA	500 mA		
	Rating	16 A	A9R10216	-	-	-	-	-	4	
		25 A	A9R10225	A9R41225	-	A9R44225	A9R16225	-		
		40 A	-	A9R41240	A9R12240	A9R44240	A9R16240	-		
		63 A	-	A9R41263	A9R12263	A9R44263	A9R16263	A9R15263		
		80 A	-	A9R11280	A9R12280	A9R14280	-	A9R15280		
		100 A	-	A9R11291	A9R12291	A9R14291	-	A9R15291		
	Rating	25 A	-	A9R41425	-	A9R44425	A9R16425	-	8	
		40 A	-	A9R41440	A9R12440	A9R44440	A9R16440	A9R15440		A9R17440
		63 A	-	A9R41463	A9R12463	A9R44463	A9R16463	A9R15463		A9R17463
		80 A	-	A9R11480	A9R12480	A9R14480	A9R16480	A9R15480		A9R17480
		100 A	-	A9R11491	A9R12491	A9R14491	-	A9R15491		-
Voltage rating (Ue)	2P	230 - 240 V								
	4P	400 - 415 V								
Operating frequency	50/60 Hz									

iID residual current circuit breakers (A type)

IEC/EN 61008-1

PB10472-40



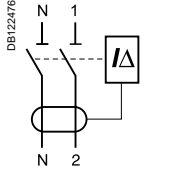

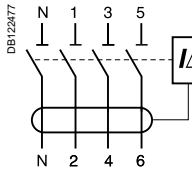


PB10473-40



- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

Catalogue numbers

iID residual current circuit breakers									
Type	A 							Width in 9 mm module	
Product	iID								
Auxiliaries									
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
 <p>DB122476</p>	Rating	16 A	A9R20216	-	-	-	-	4	
		25 A	A9R20225	A9R21225	-	A9R24225	-		-
		40 A	-	A9R21240	-	A9R24240	-		A9R25240
		63 A	-	A9R21263	-	A9R24263	-		A9R25263
		100 A	-	A9R21291	-	A9R24291	-		A9R25291
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
 <p>DB122477</p>	Rating	25 A	-	A9R21425	-	A9R24425	-	8	
		40 A	-	A9R21440	A9R22440	A9R24440	A9R26440		A9R25440
		63 A	-	A9R21463	A9R22463	A9R24463	A9R26463		A9R25463
		80 A	-	A9R21480	-	A9R24480	-		A9R25480
		100 A	-	A9R21491	-	A9R24491	A9R26491		A9R25491
Voltage rating (Ue)	2P	230 - 240 V							
	4P	400 - 415 V							
Operating frequency	50/60 Hz								

iID residual current circuit breakers (SI type)

IEC/EN 61008-1

PB104472-40



PB104473-40



- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

The **SI** type provides increased immunity from electrical interference and polluted or corrosive environments.

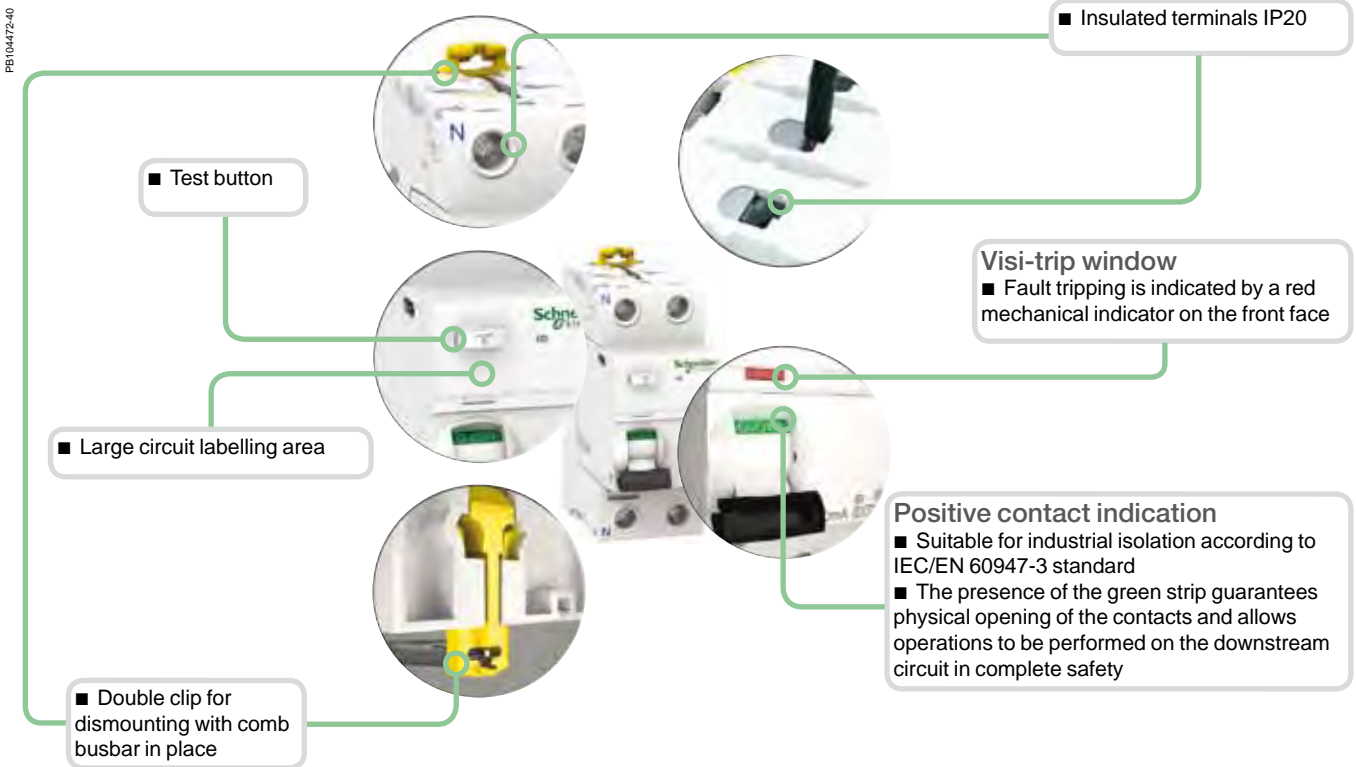
Catalogue numbers

iID residual current circuit breakers							
Type	SI						Width in 9 mm module
Product	iID						
Auxiliaries							
2P	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 	
<p style="font-size: small;">DB122476</p>	Rating	16 A	-	-	-	-	4
	25 A	A9R30225	A9R61225	-	-	-	
	40 A	-	A9R61240	-	A9R35240	-	
	63 A	-	A9R61263	-	A9R35263	-	
	100 A	-	-	-	A9R35291	-	
4P	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 	
<p style="font-size: small;">DB122477</p>	Rating	25 A	-	A9R61425	-	-	8
	40 A	-	A9R61440	-	A9R35440	A9R37440	
	63 A	-	A9R61463	A9R34463	A9R35463	A9R37463	
	80 A	-	A9R31480	-	A9R35480	A9R37480	
	100 A	-	A9R31491	A9R34491	A9R35491	-	
Voltage rating (Ue)	2P	230 - 240 V					
	4P	400 - 415 V					
Operating frequency	50/60 Hz						

iID residual current circuit breakers (AC, A, *SI* types) (cont.)



PB104548-40



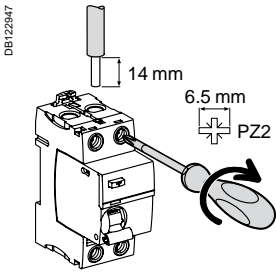
PB104472-40

SI type

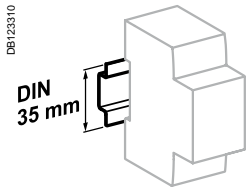
The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

iID residual current circuit breakers (AC, A, S/I types)

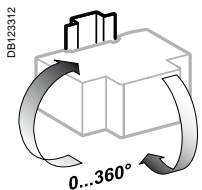
Connection



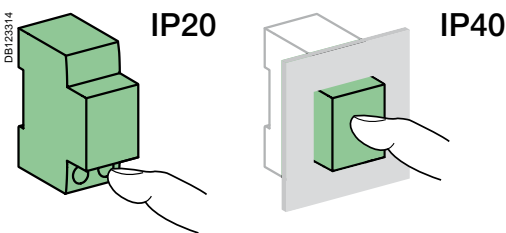
Type	Tightening torque	Without accessory		With accessories*			
		Copper cables		50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal	
		Rigid	Flexible or ferrule			Rigid cables	Flexible cables
iID	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	∅ 5 mm	3 x 16 mm ²	3 x 10 mm ²



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

Main characteristics			
Insulation voltage (U _i)		500 V	
Pollution degree		3	
Rated impulse withstand voltage (U _{imp})		6 kV	
According to IEC/EN 61008-1			
Making and breaking capacity (I _m /I _∞ m)		1500 A	
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective Ⓜ)	250 Å	
	AC, A types (selective Ⓜ)	3 kÅ	
	S/I type	3 kÅ	
Conditional rated short circuit current (I _{nc} /I _{∞c})	With iC60N/H/L	Equal to breaking capacity of iC60	
	With fuse	10,000 A	
Additional characteristics			
Degree of protection	Device only	IP20	
	Device in modular enclosure	IP40	
Endurance (O-C)	Electrical (AC1)	16 to 63 A	15,000 cycles
		80 to 100 A	10,000 cycles
	Mechanical	20,000 cycles	
Operating temperature	AC type	-5°C to +60°C	
	A and S/I types	-25°C to +60°C	
Storage temperature		-40°C to +85°C	

iID, iC60, Vigi iC60, Reflex iC60, switches

A9 R 15 2 63

Range	Family	Code	Internal code	Poles	Code	Rating (A)	Code
Acti 9 (A9)	iID	R		0	0	0	00
	Vigi iC60	V		1P	1	0.5	70
	iC60	F		2P	2	0.75	71
	Auxiliaries and accessories	A		3P	3	1	01
	Switches	S		4P	4	1.6	72
	Reflex iC60	C		1N	5	2	02
				1P+N	6	2.5	73
				3P+N	7	3	03
						4	04
						6	06
						6.3	76
						8	08
						10	10
						12.5	82
						13	13
						16	16
						20	20
						25	25
						32	32
						40	40
						50	50
						63	63
						80	80
						100	91
						125	92

Comb busbar and comb busbar accessories

A9 X P H 4 12

Range	Family	Code	Type	Type of installation	Number of poles	Dimensioning			
Acti 9 (A9)	Comb busbar	X	Comb busbar		1P	1	Comb busbar		
			Fork teeth	F	Horizontal		H	Number of 18 mm modules (approximately)	
			Pin teeth	P			2P	2	Accessories
			Auxiliarisable	A			3P		
			Accessories				4P	4	Number of pieces per cat. no.
			End-piece	E	Double terminals	D	4P balanced, with neutral	5	
			Tooth cover	T	Single terminal	M	3P balanced for single-poles	6	
			Connector	C					