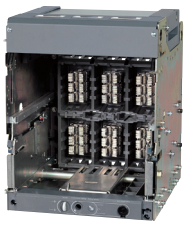
Ordering

Cradle

AL — N16D — 3 — J H E N



ACB cradle

Rated current & frmae

H16D	AKH-06 – 16D
H20D	AKH-20D
H32E	AKH-20 – 32E
H40E	AKH-40E
H50G	AKH-40 – 50G
H63G	AKH-63G
N16D	AKN-06 – 16D
S20D	AKS-20D
S32E	AKS-20 – 32E
S40E	AKS-40E
S50F	AKS-40 – 50F
S50G	AKS-40 – 50G
S63G	AKS-63G

No. of pole

3	3P
4	4P

Terminal connections

J	Manual connection
A	Automatic connection

Connections

H	Horizontal type
V	Vertical type
P	Front type
M	Mixed type Line: Horizontal Load: Vertical
N	Mixed type Line: Vertical Load: Horizontal

Safety shutter

E	Without safety shutter
F	With safety shutter

Arc cover

N	Without Arc cover
S	With Arc cover

Trip relay

N	G	0
Trip relay type	Communication & protection	Control voltage & frequency
0 Without trip relay	0 Without trip relay	0 Without trip relay

N	G	0
N Normal	0 Without comm.	0 Self-Power, 60Hz
		5 Self-Power, 50Hz

*LSIG configuration as standard
- with LED indicators
- without output contacts
*Ground fault system by bector sum

A	G	0
A Ammeter	G Earth leakage	0 Self-Power, 60Hz
	Z Earth leakage (extemal CT, fault current ≤ 30A)	1 AC/DC 100 – 250V, 60Hz
	E Earth leakage (extemal CT, fault current > 30A)	2 DC 24 – 60V, 60Hz
	C Earth leakage + Comm.	5 Self-Power, 50Hz
	K Earth leakage (extemal CT, fault current ≤ 30A) + Comm.	6 AC/DC 100 – 250V, 50Hz
	X Earth leakage (extemal CT, fault current > 30A) + Comm.	7 DC 24 – 60V, 50Hz

*LSIG configuration as standard
*Ground fault system
G, C: 4pole unit - fault current over 20% of rated currenty by vector sum
3pole unit - phase unbalanced current over 20% of rated current
Z, K: external CT - out ZCT applied
E, X: external CT - private ZCT applied
*Comm. works under control power
*LSIG output contact works under control power
(LED indicators works without control power)

P	G	1
P Power meter	C Earth leakage + Comm.	1 AC/DC 100 – 250V, 60Hz
	K Earth leakage (extemal CT, fault current ≤ 30A) + Comm.	2 DC 24 – 60V, 60Hz
	X Earth leakage (extemal CT, fault current > 30A) + Comm.	6 AC/DC 100 – 250V, 50Hz
	A Pre-Trip Alarm + Comm.	7 DC 24 – 60V, 50Hz

*LSIG configuration as standard
*Ground fault system
C: vector sum
K: external CT - out ZCT applied
X: external CT - private ZCT applied
*Comm. works under control power
*Applicable to generator protection purpose
*Voltage module required for P and S types. (supplied separately)
*Ground fault function unavailable at A (Pre-Trip Alarm + Comm.)

S	C	1
S Supreme meter	C Earth leakage + Comm.	1 AC/DC 100 – 250V, 60Hz
	K Earth leakage (extemal CT, fault current ≤ 30A) + Comm.	2 DC 24 – 60V, 60Hz
	X Earth leakage (extemal CT, fault current > 30A) + Comm.	6 AC/DC 100 – 250V, 50Hz
	A Pre-Trip Alarm + Comm.	7 DC 24 – 60V, 50Hz

*LSIG configuration as standard
*Ground fault system
C: vector sum
K: external CT - out ZCT applied
X: external CT - private ZCT applied
*Comm. works under control power
*Applicable to generator protection purpose
*Voltage module required for P and S types. (supplied separately)
*Ground fault function unavailable at A (Pre-Trip Alarm + Comm.)

Note) The function like Metering, Communication, ZSI, Remote Reset and DO control are not available only under Self-Power condition.