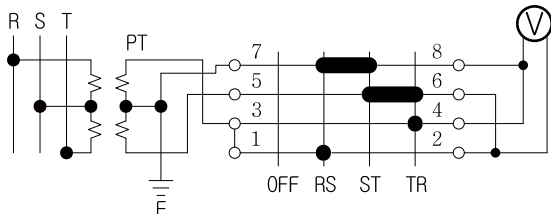
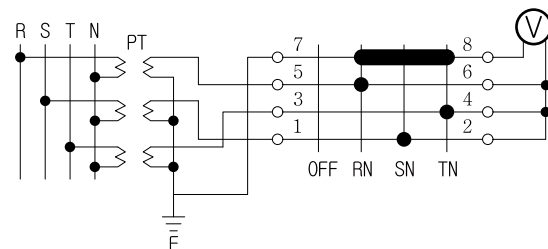


APPENDIX: Optional circuits

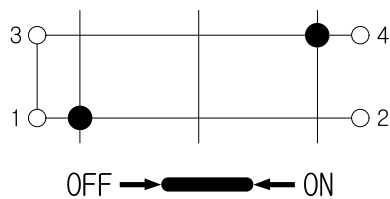
V3-C4210



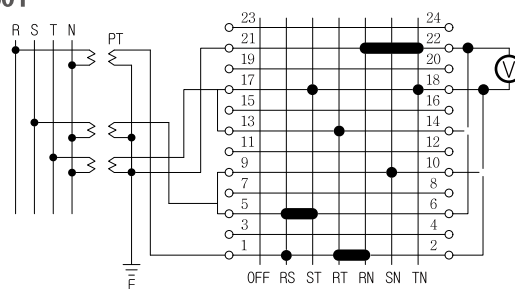
V3-C4211



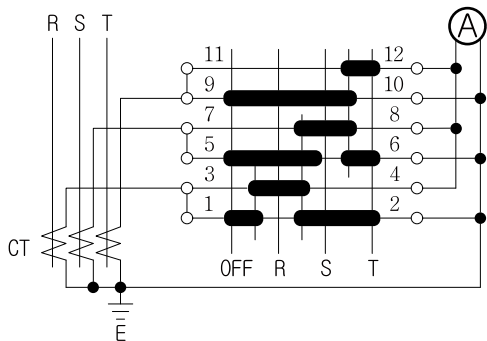
C.S-C3102A,R



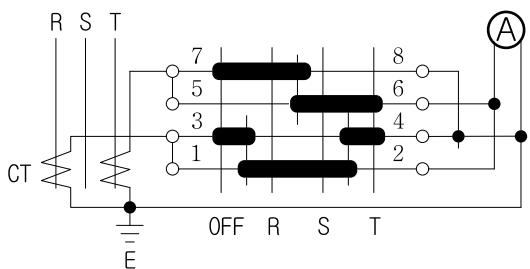
7601



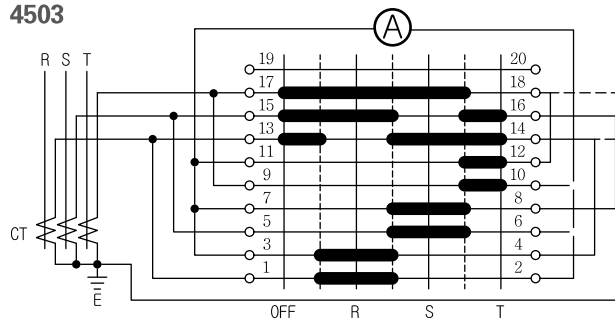
A3-C4307



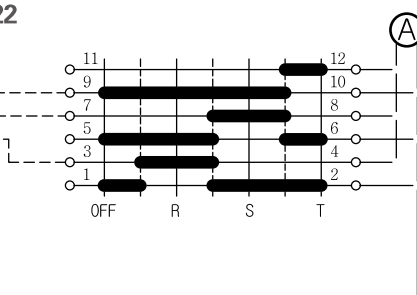
A2-C4213



4503

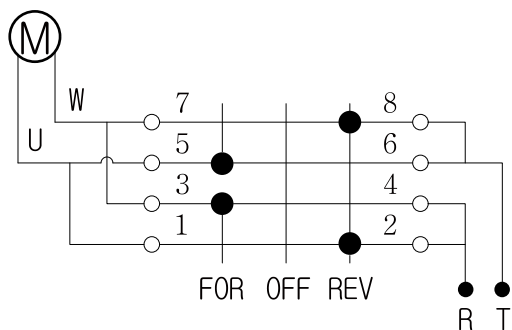


4322

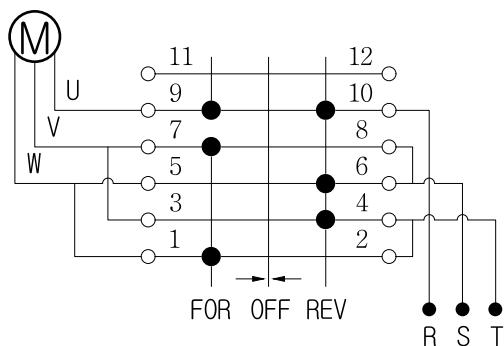


CAM SWITCH

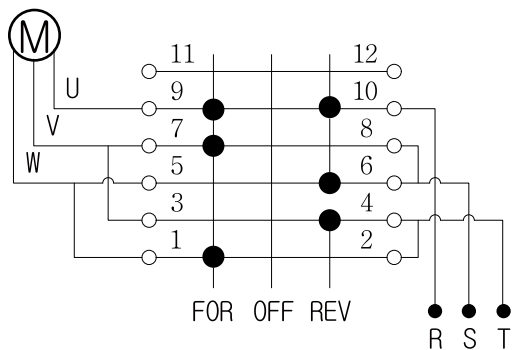
3242



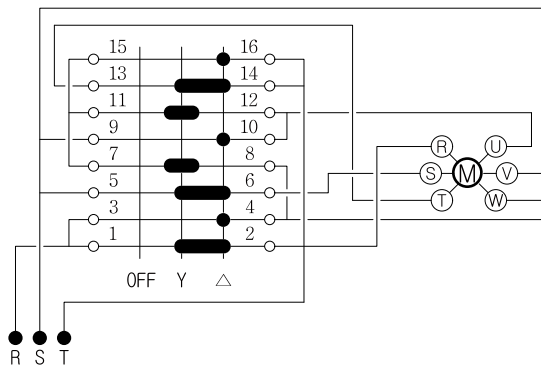
3331



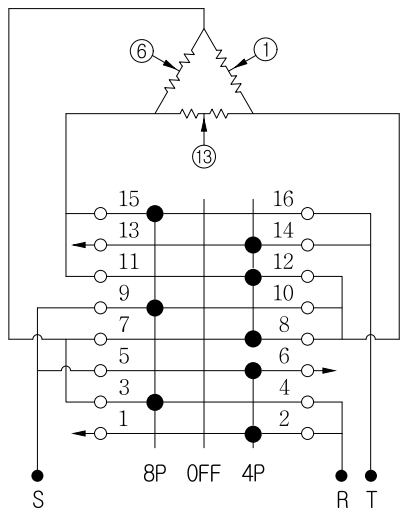
3332



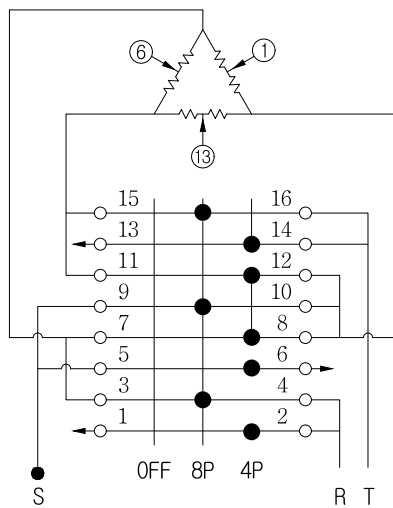
3413



3414



3415



CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

LIMIT
SWITCH

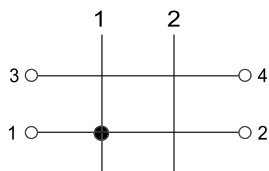
POWER
SWITCH

HOIST
SWITCH

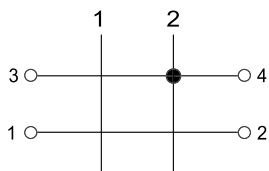
CAM
SWITCH

2Steps 1stage / 2steps 2stages

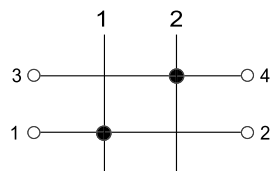
2101



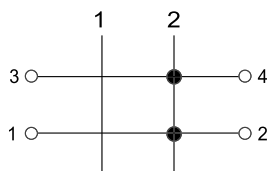
2102



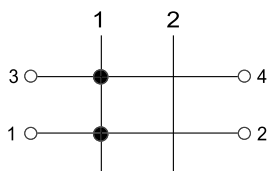
2103



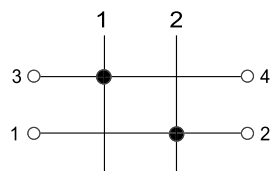
2104



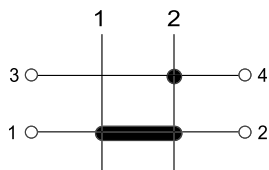
2105



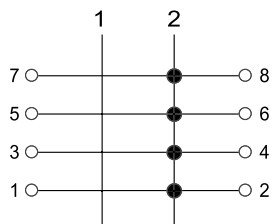
2106



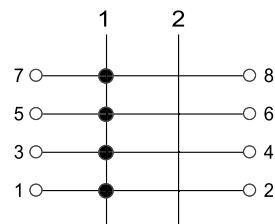
2107



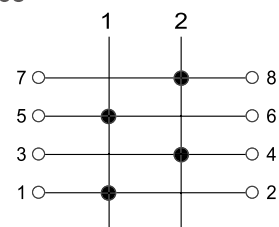
2201



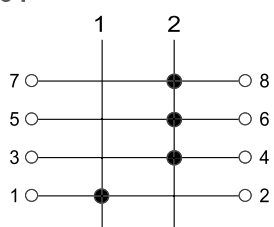
2202



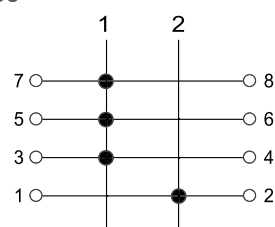
2203



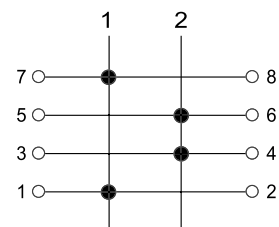
2204



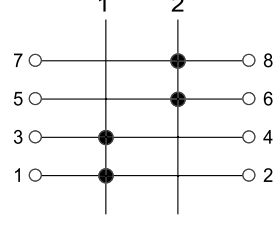
2205



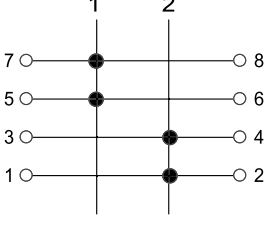
2206



2207



2208



CAM SWITCH

2Steps 2stage / 2steps 3stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

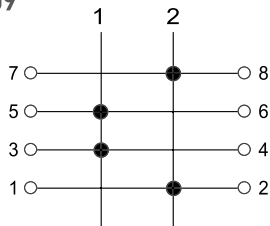
LIMIT
SWITCH

POWER
SWITCH

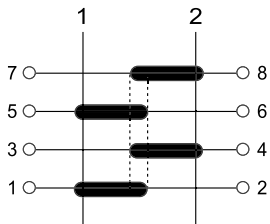
HOIST
SWITCH

CAM
SWITCH

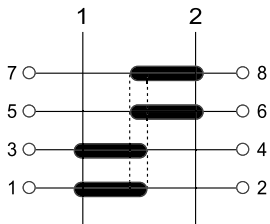
2209



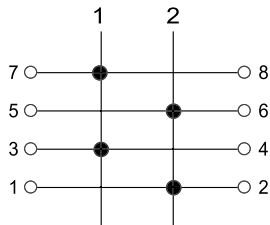
2210



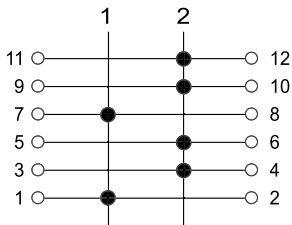
2211



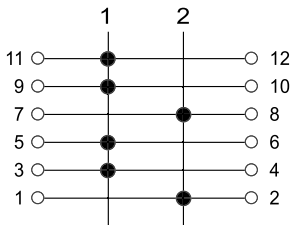
2212



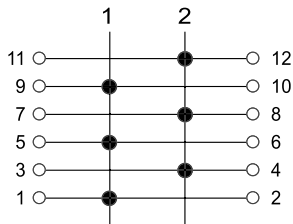
2301



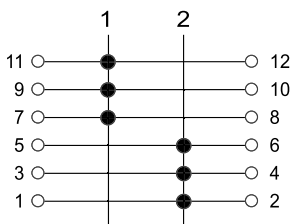
2302



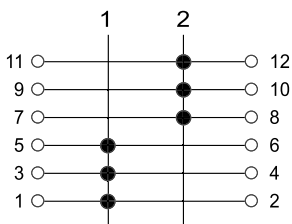
2303



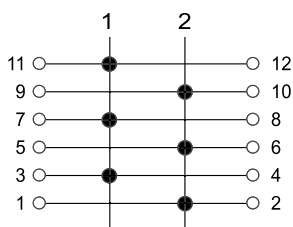
2304



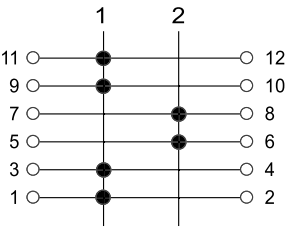
2305



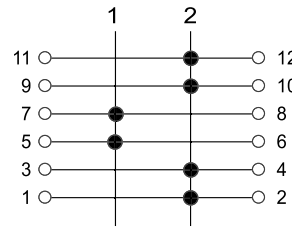
2306



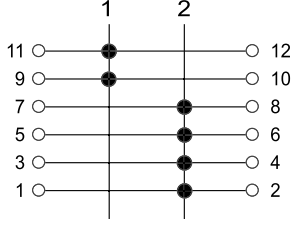
2307



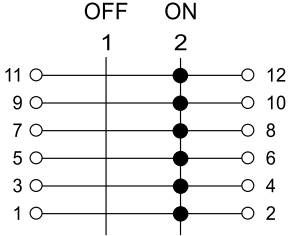
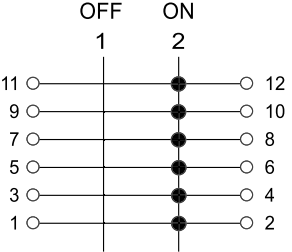
2308



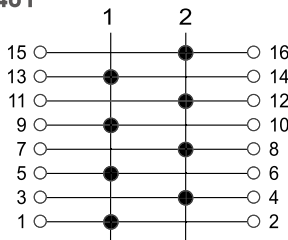
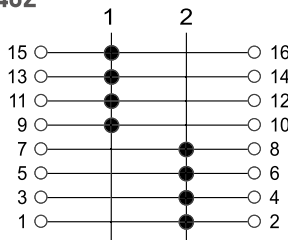
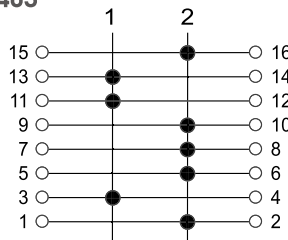
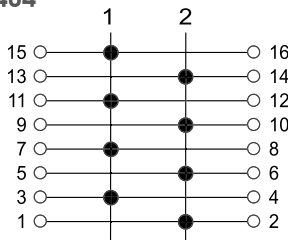
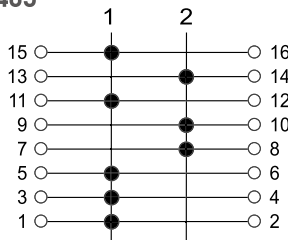
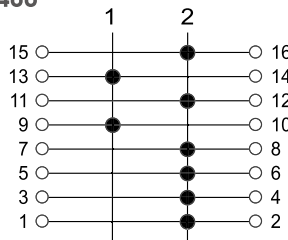
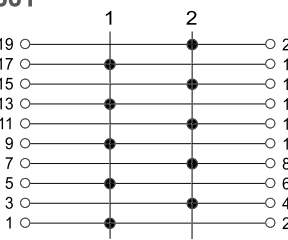
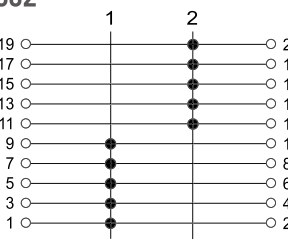
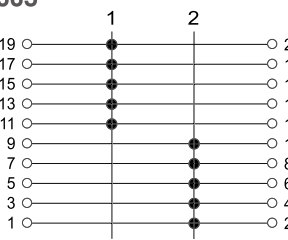
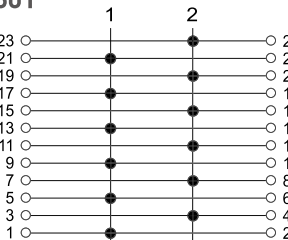
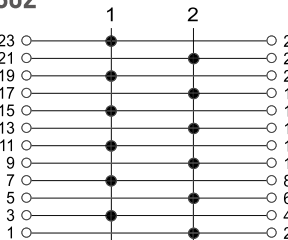
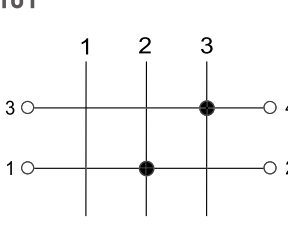
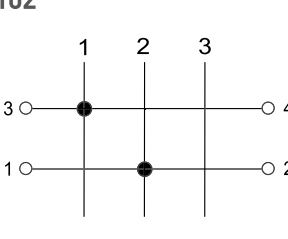
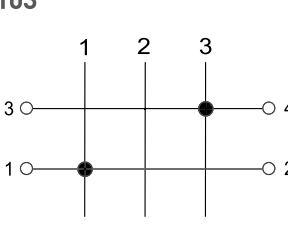
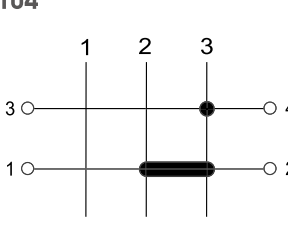
2309



2310



2Steps 4stage / 2steps 5stages / 2steps 6stages / 3steps 1stages

2401 	2402 	2403 
2404 	2405 	2406 
2501 	2502 	2503 
2601 	2602 	3101 
3102 	3103 	3104 

CAM SWITCH

3Steps 1stage / 3steps 2stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

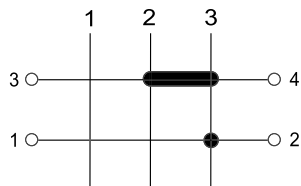
LIMIT
SWITCH

POWER
SWITCH

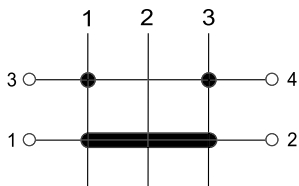
HOIST
SWITCH

CAM
SWITCH

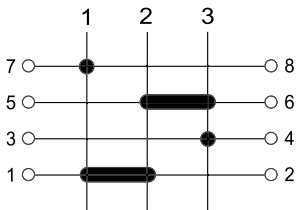
3105



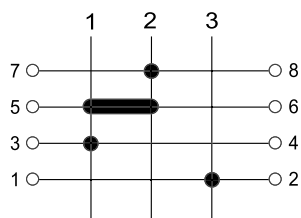
3106



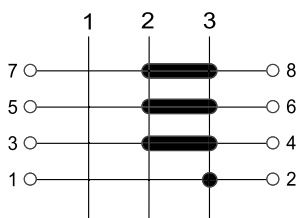
3210



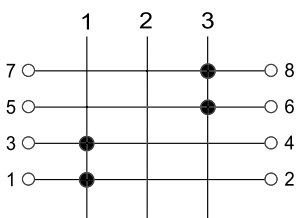
3211



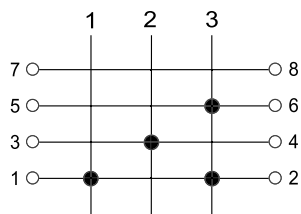
3212



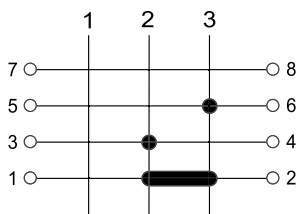
3213



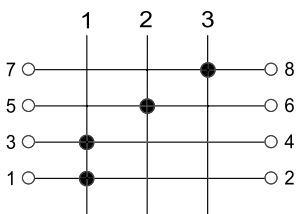
3214



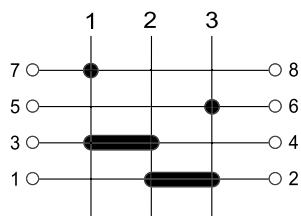
3215



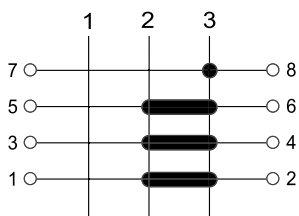
3216



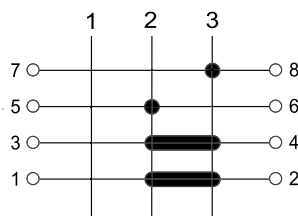
3217



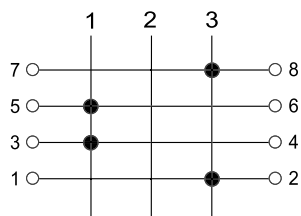
3218



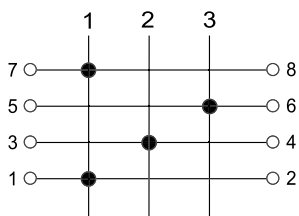
3219



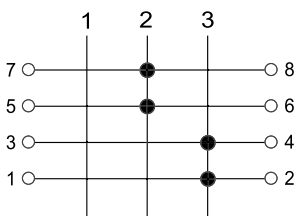
3220



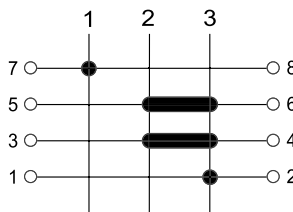
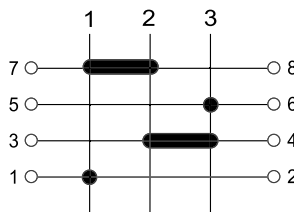
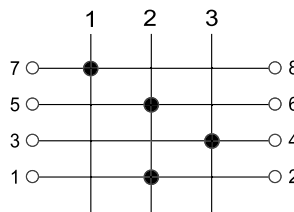
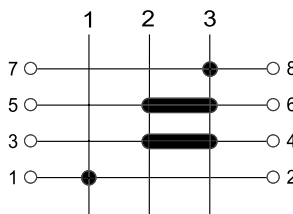
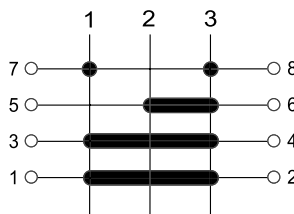
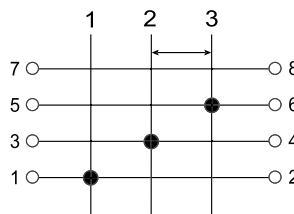
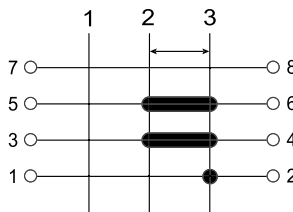
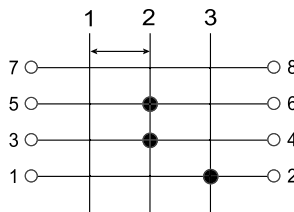
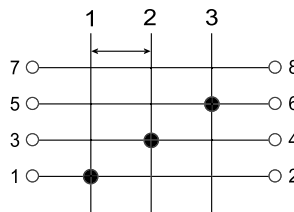
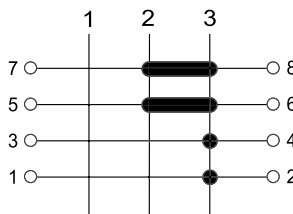
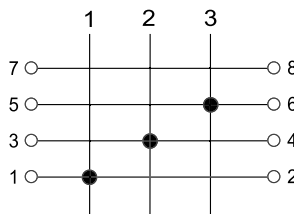
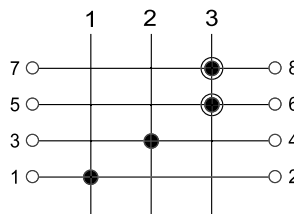
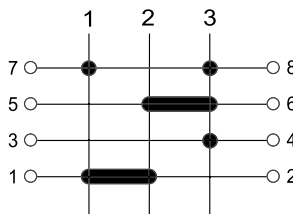
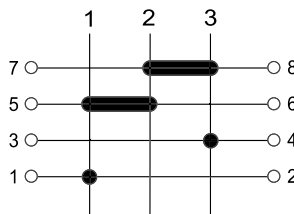
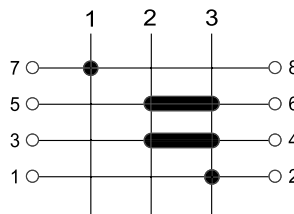
3221



3222



3steps 2stages

<p>3223</p> 	<p>3224</p> 	<p>3225</p> 
<p>3226</p> 	<p>3227</p> 	<p>3228</p> 
<p>3229</p> 	<p>3230</p> 	<p>3231</p> 
<p>3232</p> 	<p>3233</p> 	<p>3234</p> 
<p>3235</p> 	<p>3236</p> 	<p>3237</p> 

CAM SWITCH

3Steps 2stage / 3steps 3stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

LIMIT
SWITCH

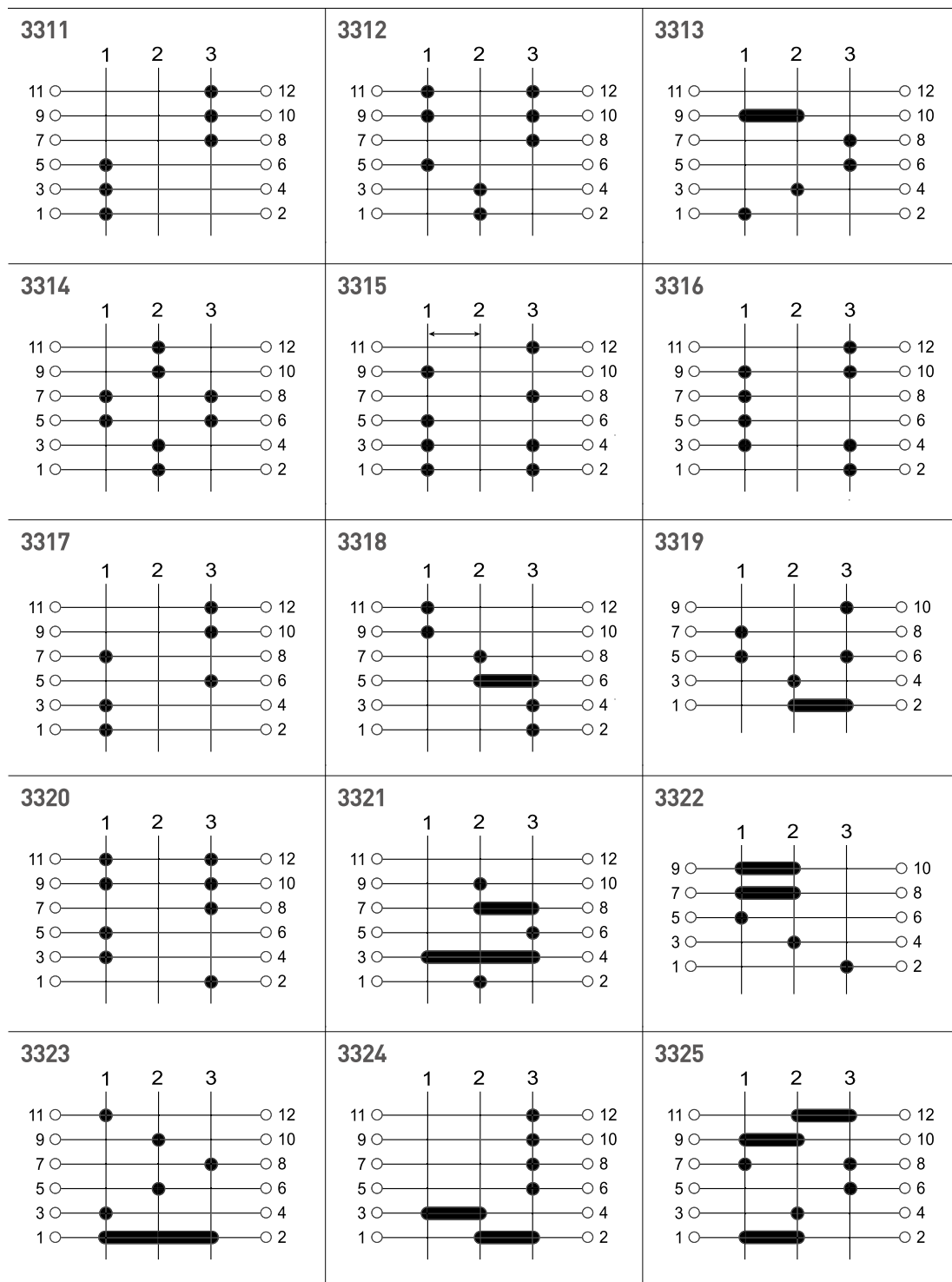
POWER
SWITCH

HOIST
SWITCH

CAM
SWITCH

3238	3239	3240
3241 <p>FOR STOP REV</p>	3271R	3301
3302	3303	3304
3305	3306	3307
3308	3309	3310

3steps 3stages



CAM SWITCH

3Steps 3stage / 3steps 4stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

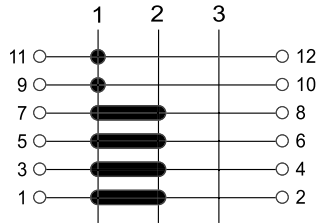
LIMIT
SWITCH

POWER
SWITCH

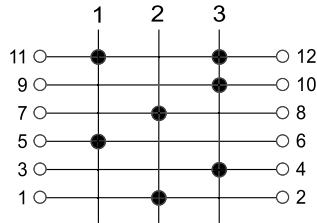
HOIST
SWITCH

CAM
SWITCH

3326

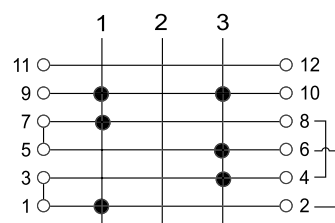


3327



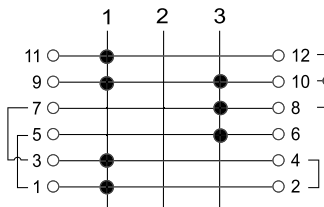
3328

FOR STOP REV

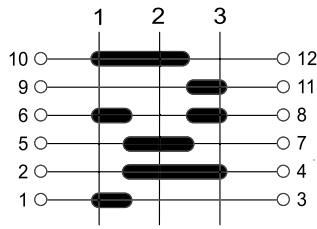


3329

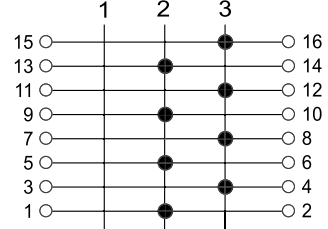
FOR STOP REV



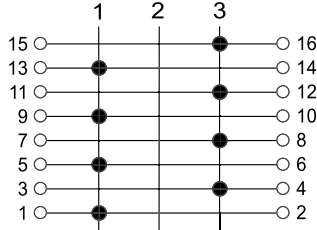
3330



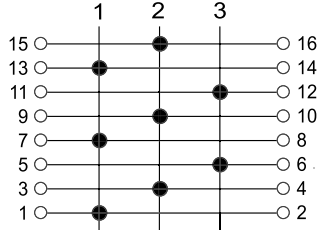
3401



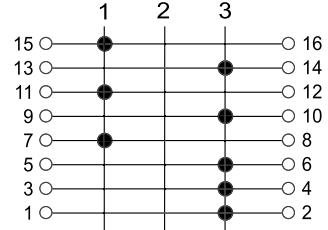
3402



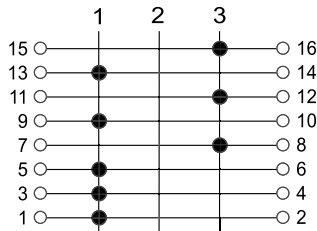
3403



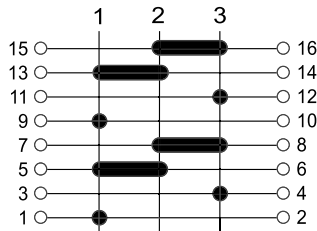
3404



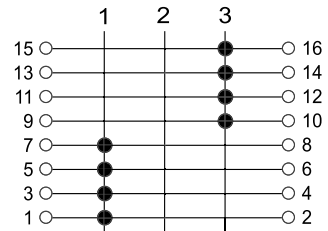
3405



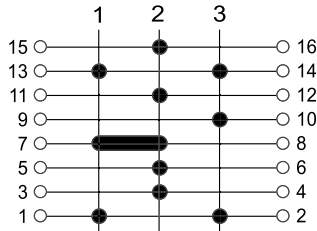
3406



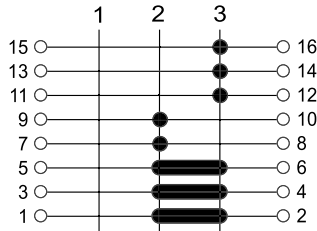
3407



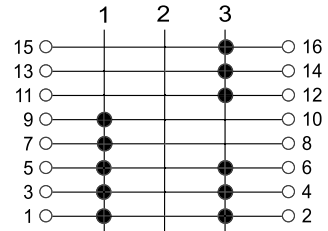
3408



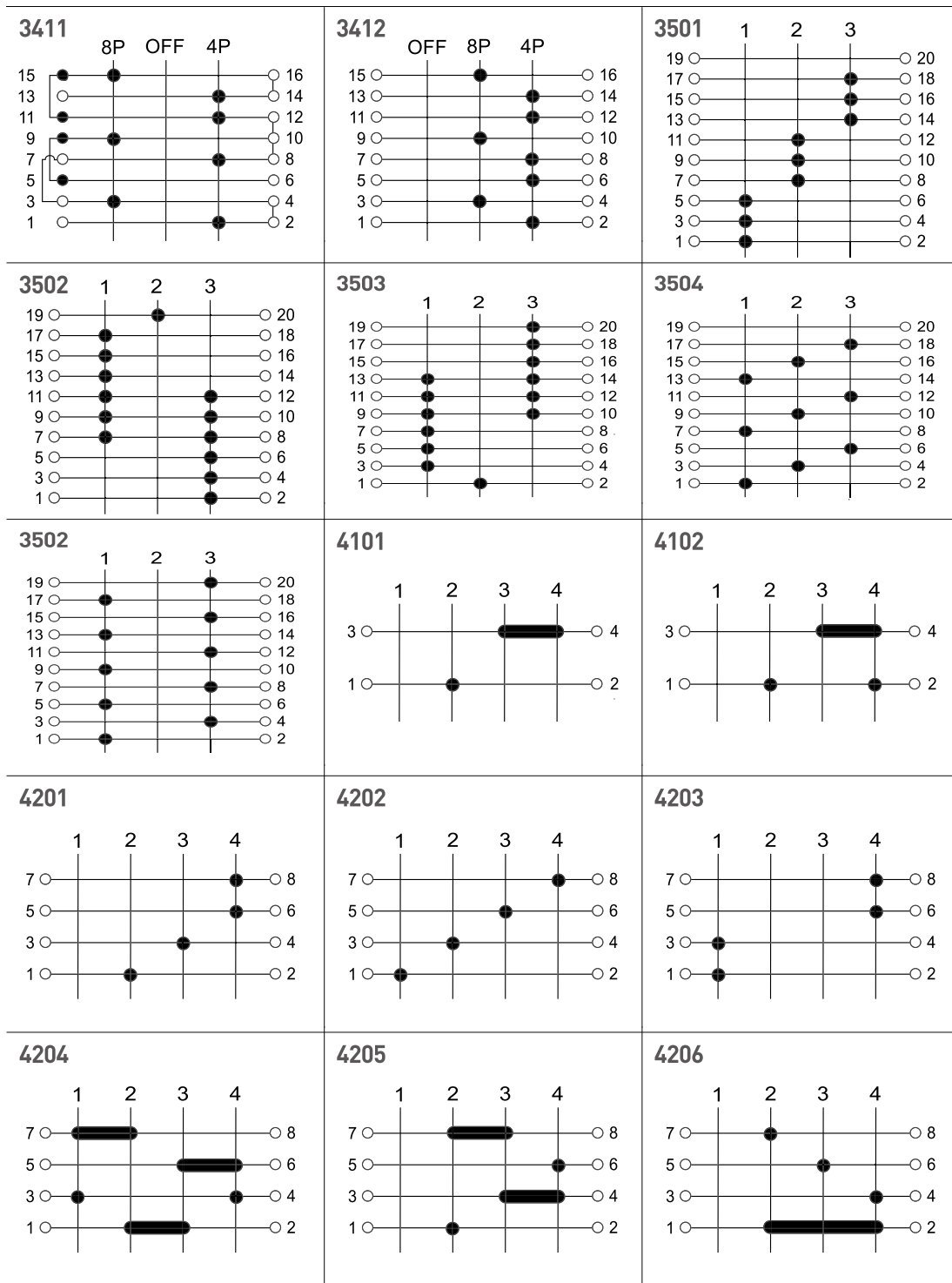
3409



3410



3Steps 4stage / 3steps 5stages / 4steps 1stages / 4steps 2stages



CAM SWITCH

4steps 2stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

LIMIT
SWITCH

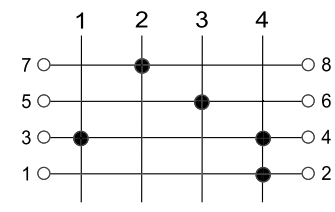
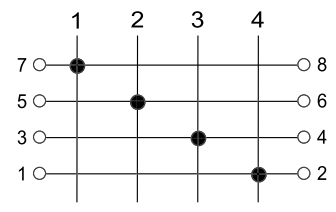
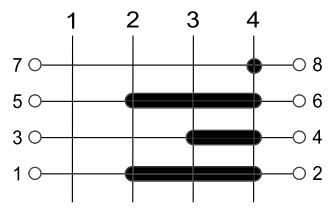
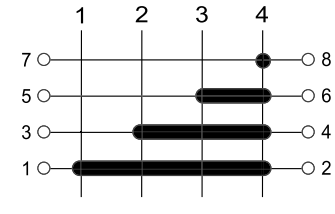
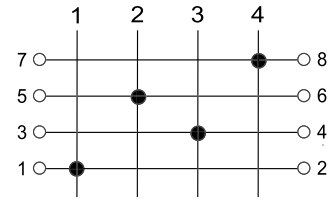
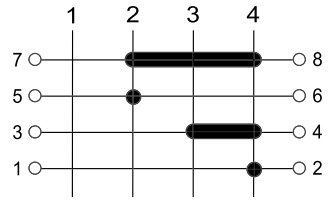
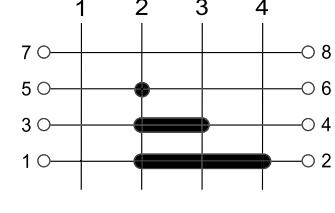
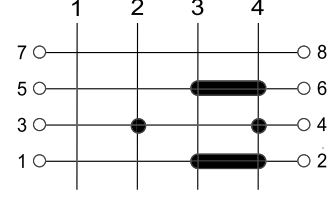
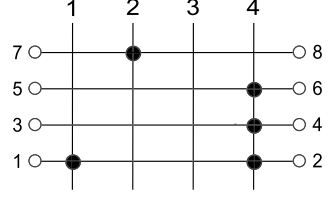
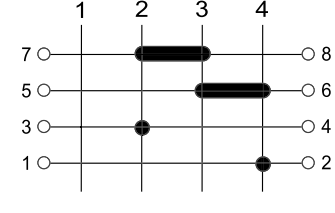
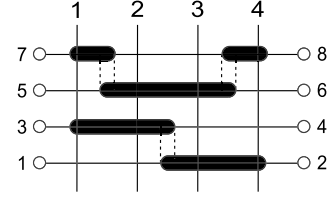
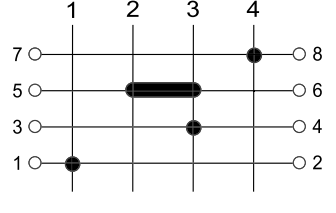
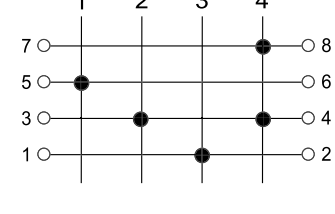
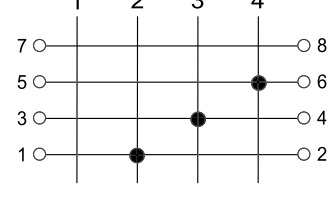
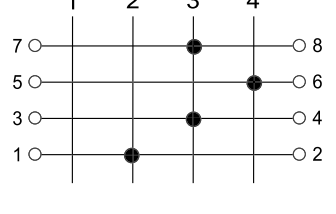
POWER
SWITCH

HOIST
SWITCH

CAM
SWITCH

4207	4208	4209
4210	4211	4212
4213	4214	4215
4216	4217	4218
4219	4220	4221

4steps 2stages

<p>4222</p> 	<p>4223</p> 	<p>4224</p> 
<p>4225</p> 	<p>4226</p> 	<p>4227</p> 
<p>4228</p> 	<p>4229</p> 	<p>4230</p> 
<p>4231</p> 	<p>4232</p> 	<p>4233</p> 
<p>4234</p> 	<p>4235</p> 	<p>4236</p> 

CAM SWITCH

4steps 2stages / 4steps 3stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

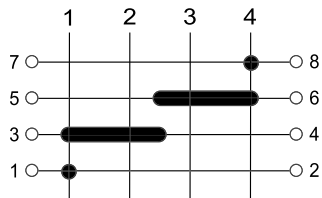
LIMIT
SWITCH

POWER
SWITCH

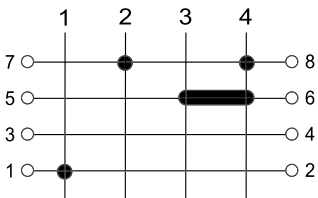
HOIST
SWITCH

CAM
SWITCH

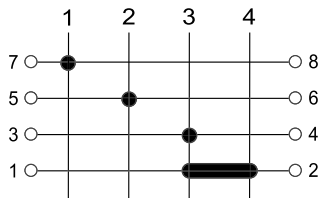
4237



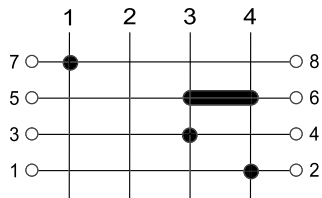
4238



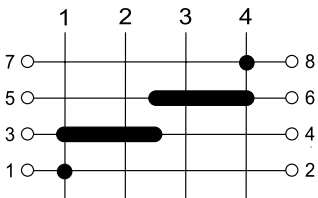
4239



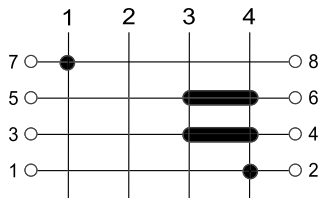
4240



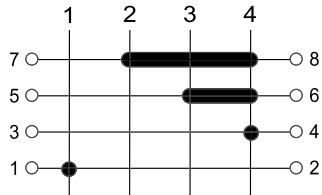
4241



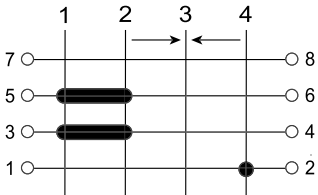
4242



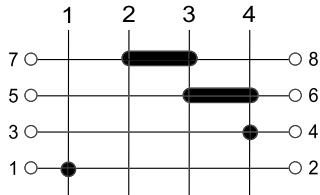
4243



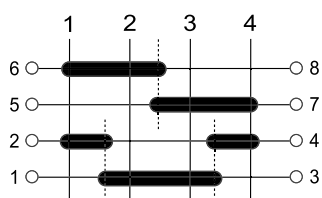
4244



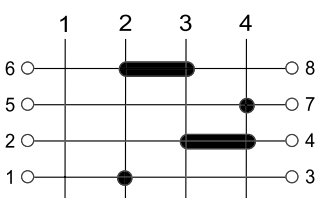
4245



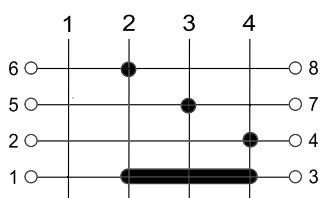
4246



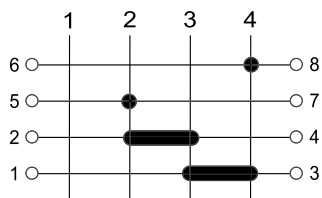
4247



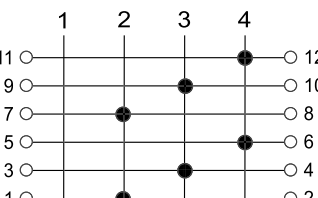
4248



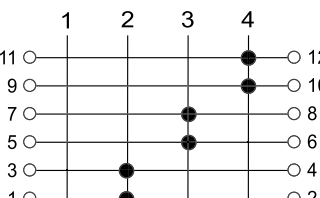
4249



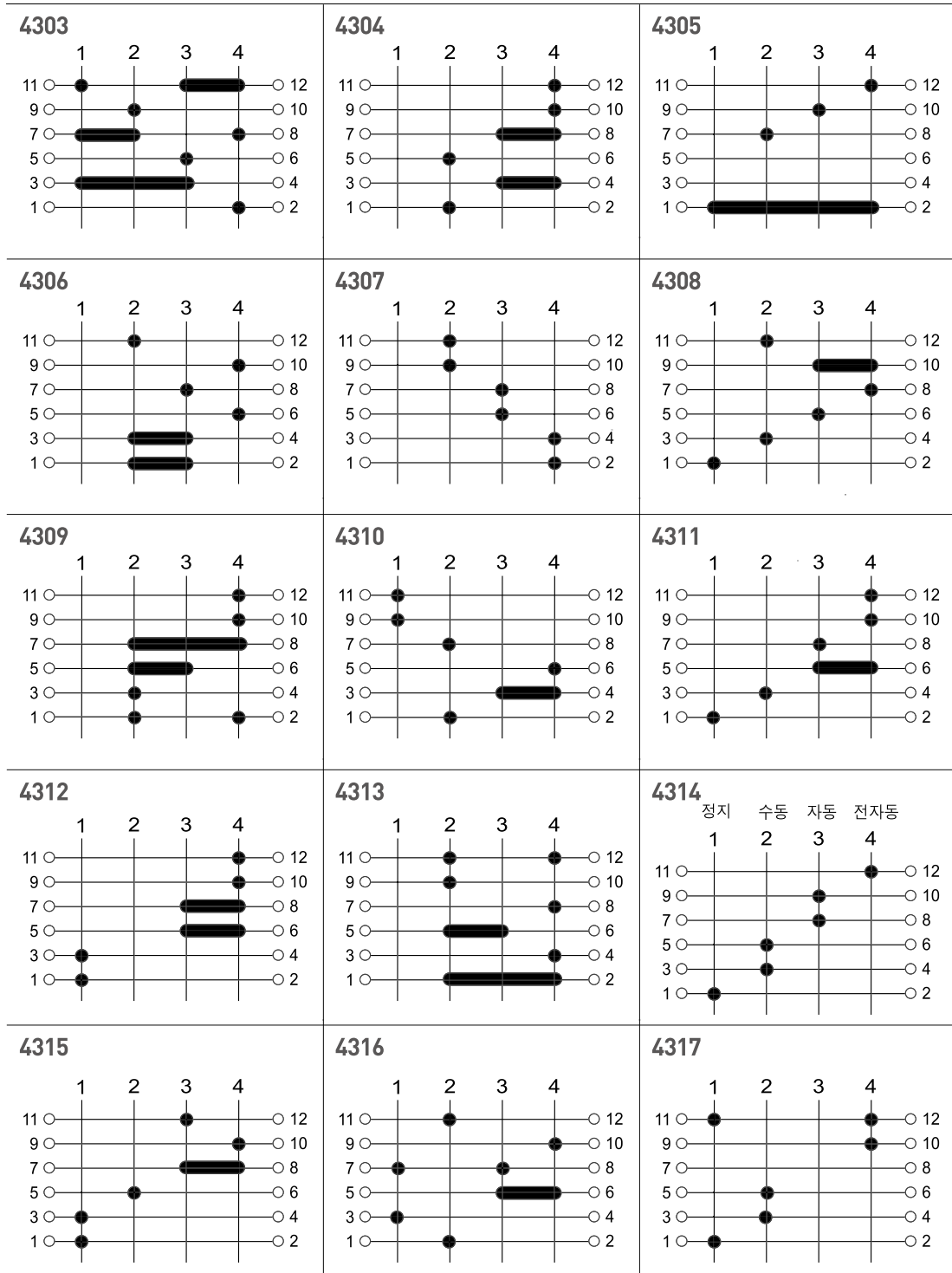
4301



4302



4steps 3stages



CAM SWITCH

4steps 3stages / 4steps 4stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

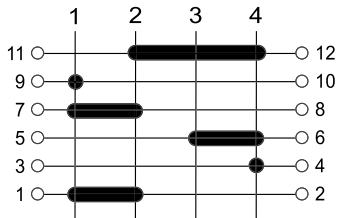
LIMIT
SWITCH

POWER
SWITCH

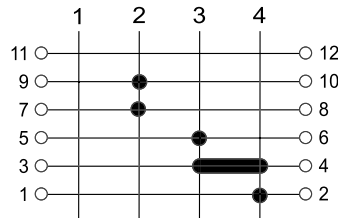
HOIST
SWITCH

CAM
SWITCH

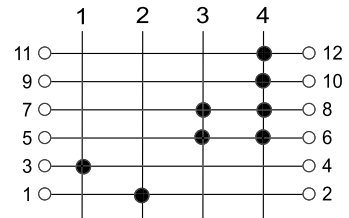
4318



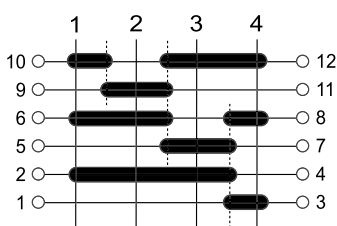
4319



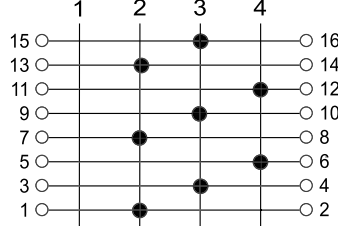
4320



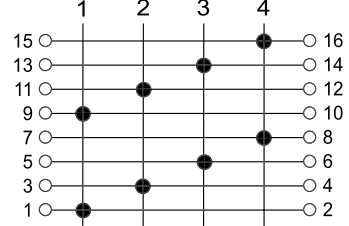
4321



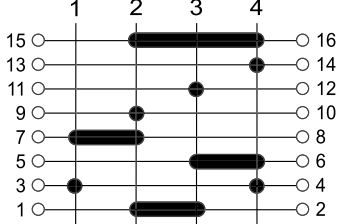
4401



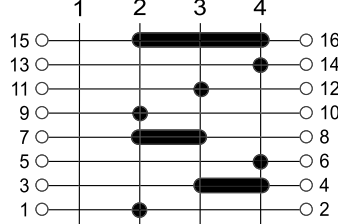
4402



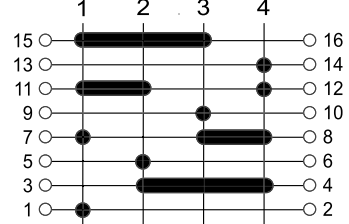
4403



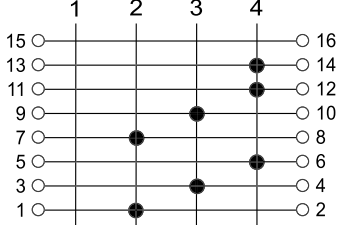
4404



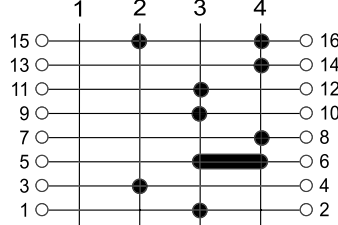
4405



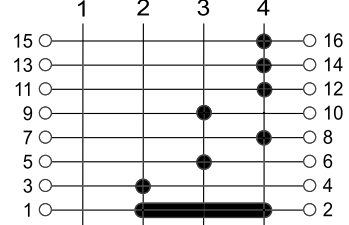
4406



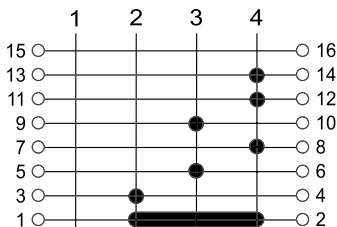
4407



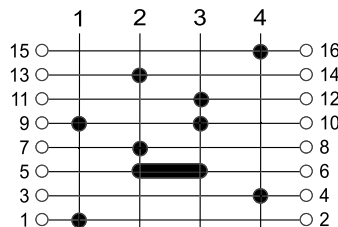
4408



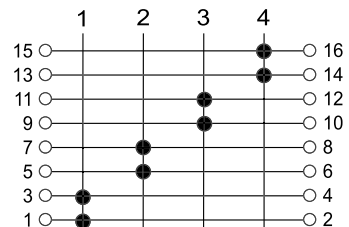
4409



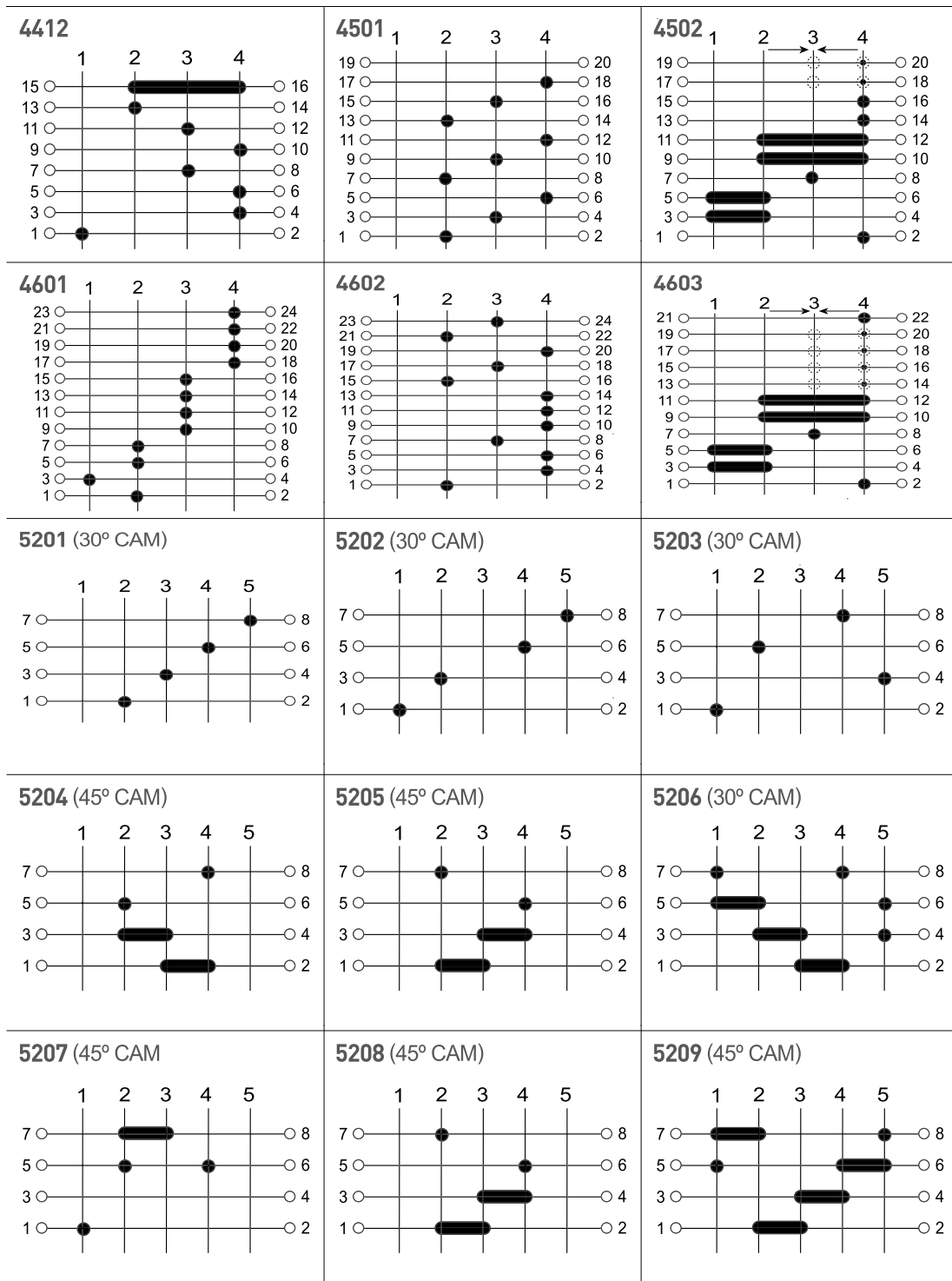
4410



4411



4steps 4stages / 4steps 5stages / 4steps 6stages / 5steps 2stages



CAM SWITCH

5steps 2stages / 5steps 3stages / 5steps 4stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

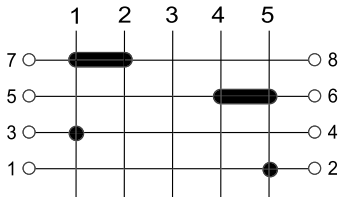
LIMIT
SWITCH

POWER
SWITCH

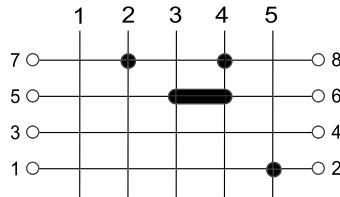
HOIST
SWITCH

CAM
SWITCH

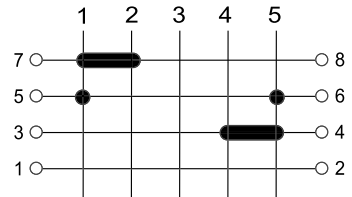
5210 (45° CAM)



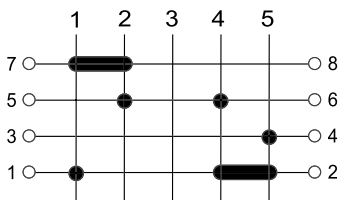
5211 (45° CAM)



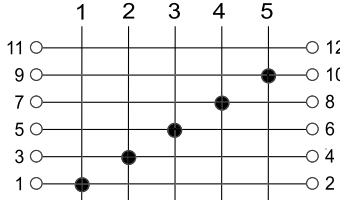
5212 (30° CAM)



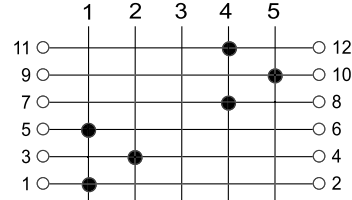
5213 (30° CAM)



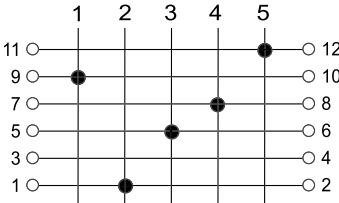
5301 (30° CAM)



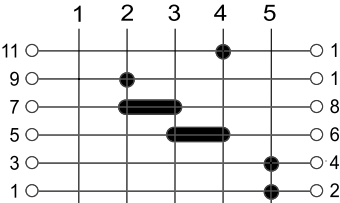
5302 (30° CAM)



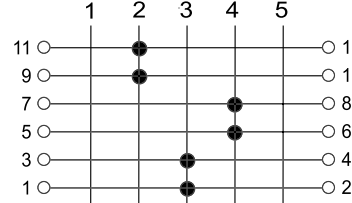
5303 (45° CAM)



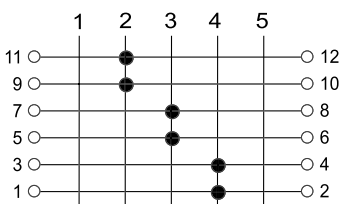
5304 (30° CAM)



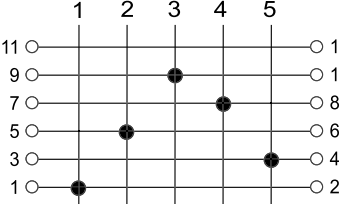
5305 (45° CAM)



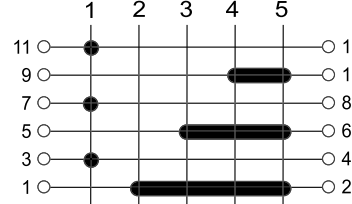
5306 (45° CAM)



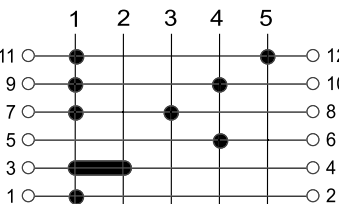
5307 (45° CAM)



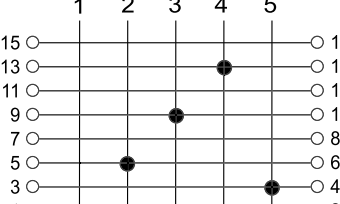
5308 (45° CAM)



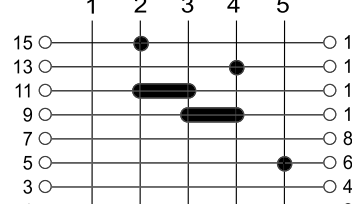
5309 (30° CAM)



5401 (45° CAM)

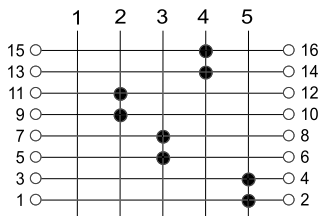


5402 (45° CAM)

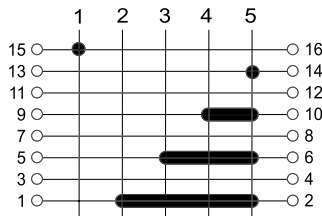


5steps 4stages / 5steps 5stages / 5steps 6stages / 6steps 3stages

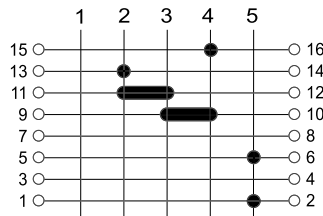
5403 (30° CAM)



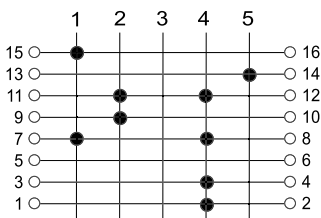
5404 (45° CAM)



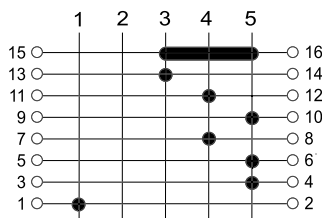
5405 (45° CAM)



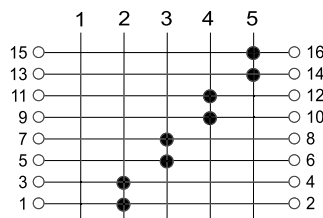
5406 (30° CAM)



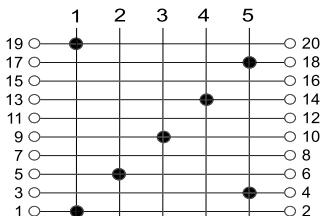
5407 (30° CAM)



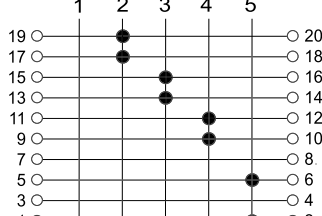
5408 (30° CAM)



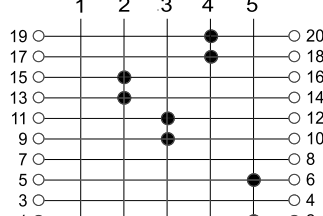
5501 (45° CAM)



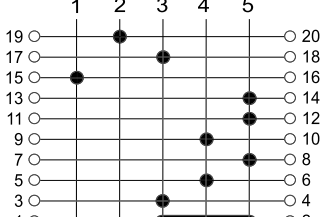
5502 (45° CAM)



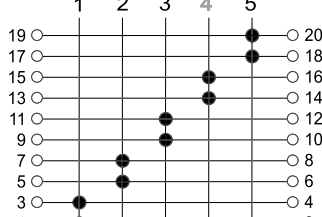
5503 (45° CAM)



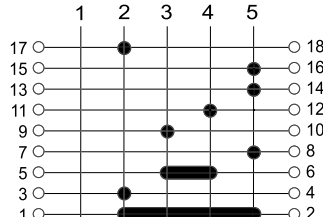
5504 (30° CAM)



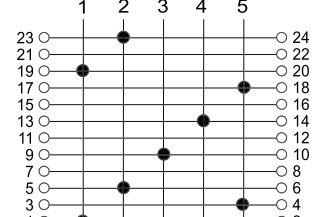
5505 (30° CAM)



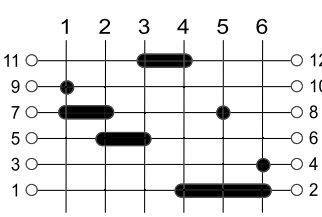
5506 (30° CAM)



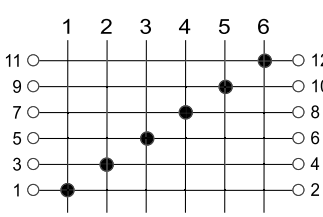
5601 (45° CAM)



6301 (30° CAM)



6302 (30° CAM)



CAM SWITCH

6steps 4stages / 6steps 5stages / 8steps 3stages / 12steps 4stages

CONTROL
COMPONENTS

MICRO
SWITCH

FOOT
SWITCH

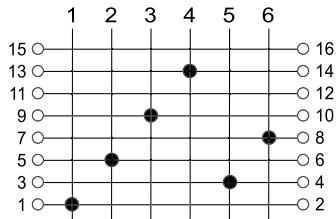
LIMIT
SWITCH

POWER
SWITCH

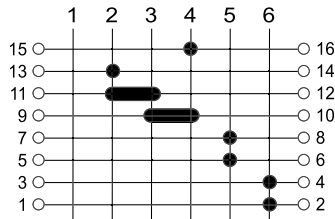
HOIST
SWITCH

CAM
SWITCH

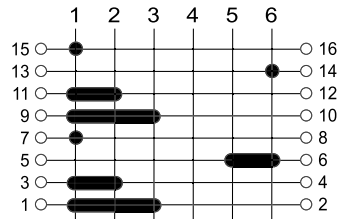
6401 (45° CAM)



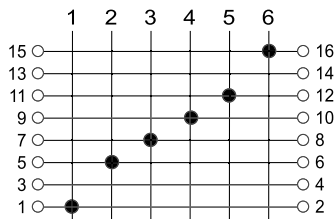
6402 (30° CAM)



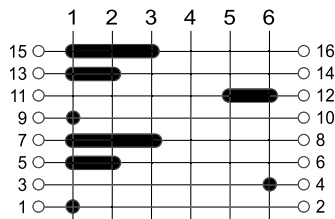
6403 (30° CAM)



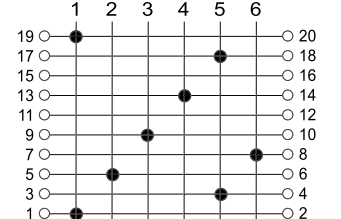
6404 (30° CAM)



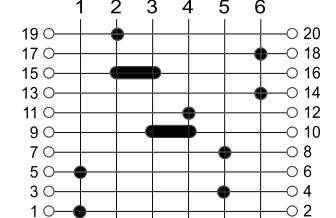
6405 (30° CAM)



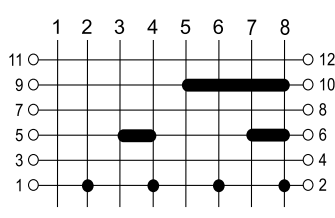
6501 (45° CAM)



6502 (45° CAM)



8301 (30° CAM)



12401

