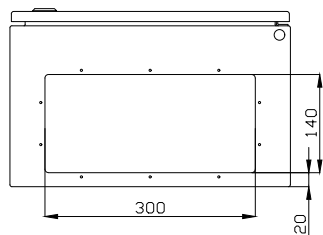
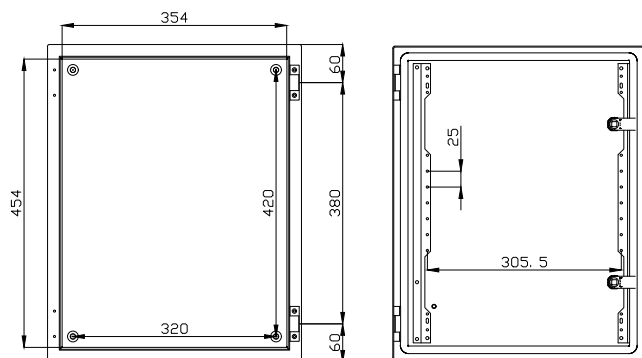


## Metalclad Changeover Switch IP55M

Type: GCO4200IP55M (4 Pole)



|                                                |       |
|------------------------------------------------|-------|
| Thermal current $I_{th}$ at 40°C               | 200 A |
| Rated insulation voltage $U_i$ (V)             | 800   |
| Rated impulse withstand voltage $U_{imp}$ (kV) | 8     |

| Rated operational currents $I_e$ (A) |                      |                                        |
|--------------------------------------|----------------------|----------------------------------------|
| Rated voltage                        | Utilisation category | A/B <sup>(1)</sup>                     |
| 415 VAC                              | AC-20 A / AC-20 B    | 200/200                                |
| 415 VAC                              | AC-21 A / AC-21 B    | 200/200                                |
| 415 VAC                              | AC-22 A / AC-22 B    | 200/200                                |
| 415 VAC                              | AC-23 A / AC-23 B    | 200/200                                |
| 220 VDC                              | DC-20 A / DC-20 B    | 200/200                                |
| 220 VDC                              | DC-21 A / DC-21 B    | 160/200                                |
| 220 VDC                              | DC-22 A / DC-22 B    | 160/200                                |
| 220 VDC                              | DC-23 A / DC-23 B    | 160/160                                |
| 440 VDC                              | DC-20 A / DC-20 B    | 200/200                                |
| 440 VDC                              | DC-21 A / DC-21 B    | 160 <sup>(3)</sup> /200 <sup>(3)</sup> |
| 440 VDC                              | DC-22 A / DC-22 B    | 160 <sup>(3)</sup> /160 <sup>(3)</sup> |
| 440 VDC                              | DC-23 A / DC-23 B    | 160 <sup>(4)</sup> /160 <sup>(4)</sup> |
| 500 VDC                              | DC-20 A / DC-20 B    | 200/200                                |
| 500 VDC                              | DC-21 A / DC-21 B    | 160 <sup>(3)</sup> /200 <sup>(3)</sup> |
| 500 VDC                              | DC-22 A / DC-22 B    | 160 <sup>(4)</sup> /160 <sup>(4)</sup> |
| 500 VDC                              | DC-23 A / DC-23 B    | 160 <sup>(4)</sup> /160 <sup>(4)</sup> |

|                                                     |         |
|-----------------------------------------------------|---------|
| Operational power in AC-23 A (kW) <sup>(1)(5)</sup> |         |
| At 415 VAC without pre-break in AC <sup>(1)</sup>   | 100/100 |

|                                  |    |
|----------------------------------|----|
| Reactive power (kvar)            |    |
| At 400 VAC (kvar) <sup>(5)</sup> | 90 |

|                                            |     |
|--------------------------------------------|-----|
| Prospective short-circuit current (kA rms) | 80  |
| Associated fuse rating (A)                 | 200 |

|                                                            |    |
|------------------------------------------------------------|----|
| Rated short-time withstand current 0.3s. $I_{cw}$ (kA rms) | 17 |
|------------------------------------------------------------|----|

|                                                                      |      |
|----------------------------------------------------------------------|------|
| Short-circuit capacity (without protection)                          |      |
| Rated short-time withstand current 1s. $I_{cw}$ (kA rms)             | 9    |
| Rated short-circuit making capacity without fuses $I_{cm}$ (kA peak) | 15.3 |

|                                                    |      |
|----------------------------------------------------|------|
| Connection                                         |      |
| Maximum Cu cable cross-section (mm <sup>2</sup> )  | 70   |
| Minimum Cu busbar cross-section (mm <sup>2</sup> ) |      |
| Maximum Cu cable cross-section (mm <sup>2</sup> )  | 95   |
| Maximum Cu busbar width (mm)                       | 32   |
| Tightening torque min/max (Nm)                     | 20/- |

| Enclosure            |                             |
|----------------------|-----------------------------|
| Construction         | 2mm cold-rolled steel plate |
| Degree of protection | IP55                        |
| Impact resistance    | IK10                        |
| Temperature range    | -25 °C / +40 °C             |
| Maximum voltage      | 1000 V AC / 1500 V DC       |
| Colour               | RAL 7035.                   |
| Height (mm)          | 500                         |
| Width (mm)           | 400                         |
| Depth (mm)           | 250                         |



|                                                                                  |              |                                         |
|----------------------------------------------------------------------------------|--------------|-----------------------------------------|
| Dokument/document<br>Försäkran om överensstämmelse/<br>Declaration of conformity |              | Utgava datum/edition date<br>29/06/2016 |
| Avdelning/department<br>Kvalite/Quality                                          |              |                                         |
| Ansvarig/prepared<br>Magnus Arvidsson                                            | Version<br>5 | Sida/page<br>1 av/of 1                  |

Supplier/Tillverkare:

GARO AB  
Box 203  
S-335 25 GNOSJO  
Sweden

Telephone: +46 (0)370 33 28 00

Telefax: +46 (0)370 33 28 50

Supplier established within EU/Ombud etablerad inom EG

Supplier of equipment /Materielslag : Enclosed Switchgear

Trade Mark/ Varumärke: GARO

Type Designation / Typbeteckning: GSW..., GFS..., GCO..., CO...,

We hereby declare that our product fulfils the requirements of following EC directives/

Vi intygar härmed att vår produkt uppfyller krav enligt följande EU direktiv:

- ☒ The Low Voltage Directive (LVD) 2014/35/EU / Lågspänningsdirektivet (LVD) 2014/35/EU.
- ☐ Electromagnetic compatibility (EMC) 2004/108/EU / Elektromagnetisk kompatibilitet (EMC) 2004/108/EG.
- ☒ RoHS Directive (RoHS) 2011/65/EU / RoHS direktivet (RoHS) 2011/65/EG.
- ☒ No electromagnetic compatibility (EMC) immunity or emission tests are required on the assembly/  
Produkten innehåller inte elektroniska apparater som påverkas enligt förbehållen enligt direktivet  
(EMC) 2004/108/EG.

The following harmonised standards (latest edition) or technical specifications which comply with good engineering practice in safety matters in force within the EU have been used in the design:/

Följande harmoniserade standarder (senaste utgåva) eller tekniska specifikationer som uppfyller god säkerhetsteknik praxis inom EG har använts i konstruktionen: EN 60947-1, EN 60947-3

☒ The equipment conforms completely with the above stated harmonised standards or technical specifications./  
Materielen överensstämmer helt med ovan angivna harmoniserade standarder eller tekniska specifikationer.

Or/Eller

- ☐ The equipment confirms only partially with the above stated harmonised standards or technical specifications but complies with good practice in safety matters in force within the EU./  
Materielen överensstämmer endast delvis med ovan angivna harmoniserade standarder eller tekniska specifikationer, men uppfyller god säkerhetsteknik praxis inom EG.

We have product surveillance according to CENELEC's harmonised requirements, documents CCA-201.

Garo AB  
Company/Företag

2016-06-29  
Date/Datum

Sign/Underskrift

Environmental- and Quality Manager/Kvalitets- och Miljöchef  
Position/Befattning

Magnus Arvidsson  
Name / Namnförtydligande