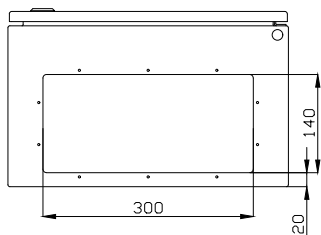
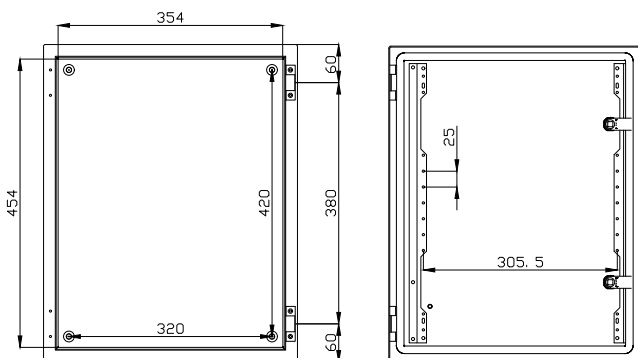


Metalclad Changeover Switch IP55M

Type: GCO4160IP55M (4 Pole)



Thermal current I_{th} at 40°C	160 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 ⁽¹⁾
415 VAC	AC-20 A / AC-20 B	160/160
415 VAC	AC-21 A / AC-21 B	160/160
415 VAC	AC-22 A / AC-22 B	160/160
415 VAC	AC-23 A / AC-23 B	160/160
220 VDC	DC-20 A / DC-20 B	160/160
220 VDC	DC-21 A / DC-21 B	160/160
220 VDC	DC-22 A / DC-22 B	160/160
220 VDC	DC-23 A / DC-23 B	125/125
440 VDC	DC-20 A / DC-20 B	160/160
440 VDC	DC-21 A / DC-21 B	160 ⁽³⁾ /160 ⁽³⁾
440 VDC	DC-22 A / DC-22 B	125 ⁽³⁾ /125 ⁽³⁾
440 VDC	DC-23 A / DC-23 B	125 ⁽⁴⁾ /125 ⁽⁴⁾
500 VDC	DC-20 A / DC-20 B	160/160
500 VDC	DC-21 A / DC-21 B	125 ⁽³⁾ /125 ⁽³⁾
500 VDC	DC-22 A / DC-22 B	125 ⁽⁴⁾ /125 ⁽⁴⁾
500 VDC	DC-23 A / DC-23 B	125 ⁽⁴⁾ /125 ⁽⁴⁾

Operational power in AC-23 A (kW) ⁽¹⁾⁽⁵⁾

At 415 VAC without pre-break in AC ⁽¹⁾	80/80
---	-------

Reactive power (kvar)

At 400 VAC (kvar) ⁽⁵⁾	75
----------------------------------	----

⁽⁶⁾

Prospective short-circuit current (kA rms)	100
--	-----

Associated fuse rating (A)	160
----------------------------	-----

Rated short-time withstand current 0.3s. I_{cw} (kA rms)	15
--	----

Short-circuit capacity (without protection)

Rated short-time withstand current 1s. I_{cw} (kA rms)	7
Rated short-circuit making capacity without fuses I_{cm} (kA peak)	11.9

Connection

Maximum Cu cable cross-section (mm ²)	50
Minimum Cu busbar cross-section (mm ²)	
Maximum Cu cable cross-section (mm ²)	95
Maximum Cu busbar width (mm)	25
Tightening torque min/max (Nm)	9/-

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 Försäkran om överensstämmelse/ Declaration of conformity		Utgava datum/edition date 29/06/2016
Avdelning/department Kvalite/Quality		
Ansvarig/prepared Magnus Arvidsson	Version 5	Sida/page 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