|  |  |  |
| --- | --- | --- |
| Company  | Contact  | Project  |
| Fabric. No.  | Order No.  | Offer No.  | [ ]  Copy to **Hakotec**05.01.2021 |
| **Lift Data / Standard** | **Machineroom / Main power supply** |
| [ ]  Single button | [ ]  MR – Top above | [ ]  MR – Bottom beside | [ ]  MR - Without |
| [ ]  Full collective | Travel height  **m** | Shaft height  **m** |
| [ ]  EN81-20/50 |  |
| [ ]  EN81-1/2 | [ ]  Distribution box on site |
| [ ]  UCM | [ ]  Mains isolator, shaftlight fuse, cabinlight fuse in cabinet |
| variational   | [ ]  400V 50Hz N PE | [ ]  Without N |
|  |
| **Motor / Hydraulic Unit** |
| Drive | [ ]  Asynchronous | [ ]  Synchronous | Roping  | [ ]  Re-leveling |
| Rated current  **A** | Rated power  **kW** | Rated speed  **m/s** |
|  |
| **Traction** |
| [ ]  Brake |  **V** |  **A** | [ ]  Thyssen Brake unit BSV2 by Kollmorgen |
| [ ]  Motorfan |  **V** |  **A** | [ ]  Thyssen Brake unit BSV3 by Kollmorgen |
| variational  |
|  |
| **Hydraulic** |
| Type Valve block  | No. valve  | Voltage **V AC** |
| [ ]  VVVF controlled **(go further in next row)** | [ ]  Sofstart W3  |
| Valve activation by  | [ ]  Bucher iCon space / pre-wiring | [ ]  Bucher LRV space / pre-wiring |
| Valve activation by  | [ ]  ALGI AZRS contol board external | variational  |
|  |
| **VVVF for Traction or Hydraulic** |
| Type VVVF  | [ ]  by Kollmorgen | [ ]  by customer |
| Mounting location | [ ]  inside cabinet | [ ]  external in MR / shaft |
| Interface VVVF | [ ]  CANopen / DCP | [ ]  parallel |
|  |
| **UCM Safeguard** |
| [ ]  Hydraulic shut off valve  | Type  |  **V** |  **A** |
| [ ]  Hydraulic reduntant lowering valve | Type  |  |
| [ ]  Anti- creeping protection at speed govenor | Type  |  **V** |  **A** |
| [ ]  Mainbrake | Type  |  **V** |  **A** |
| [ ]  Additional brake | Type  |  **V** |  **A** |
| [ ]  Wittur EOS | [ ]  Wittur Ebra |
|  |
| **Landings / Doors** |
| **Floor** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **Side A** |  |  |  |  |  |  |  |  |  |  |
| **Side B** |  |  |  |  |  |  |  |  |  |  |
|  |
|  |
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| --- |
| **Landings / Doors** |
|   | Shaftdoors | Car door unit [ ]  230V AC / [ ]  400V AC |
| Side A | [ ]  via car door | [ ]  hand operated | [ ]  autom. | Type       | [ ]  CANopen |
| Side B | [ ]  via car door | [ ]  hand operated | [ ]  autom. | Type       | [ ]  CANopen |
| variational  |
| [ ]  Lock magnet  **V** **A** | variational  |
|  |
| **Door activation** | [ ]  trough car door | [ ]  selective | [ ]  pre opening |
| **Door open devices** | light curtain | [ ]  24V DC | [ ]  230V AC | [ ]  door open PB | [ ]  door close PB |
| **Without car door** | [ ]  emergency stop | [ ]  safety light barrier type  | variational  |
|  |
| **Display / Signals 24VDC with common cathode (standard)** |
| Panel producer | [ ]  Hakotec | [ ]  Kronenberg | [ ]  ws-Schaefer | [ ]  bs Tableau |
| Encoding indicators | [ ]  CANopen | [ ]  Gray Code |  | variational  |
| Encoding push button | [ ]  CANopen | [ ]  parallel |  |  |
|  |
|  | **In cabin** | **At floor** | **At all floors** | **Only on mainfloor** |
| Indicator | [x]  |  | [ ]  | [ ]  |
| Travel direction indicator | [ ]  via indicator |  | [ ]  | [ ]  via indicator |
| Landing position indicator | [ ]  via indicator |  | [ ]  | [ ]  via indicator |
| Special text in indicator |       |
| variational   |
|  |
| **Load Measurement Unit** | **Fire Evacuation** |
| Typ LM unit  | [ ]  CANopen | [ ]  fire evacuation with one fire contact |
| [ ]  minimum load | [ ]  full load | [x]  overload | evacuation floor  |
|  |  |  | [ ]  fire evacuation with alternative floors |
| Mounting location LM unit | alternative floor    |
| [ ]  inside shaft | [ ]  top oft he cabin | [ ]  via hydr. unit | variational  |
|  |   |
| **Special Switch** |
| 1.  | [ ]  at shaft access / LOP | [ ]  in cabin / COP | [ ]  inside / at cabinet |
| 2.  | [ ]  at shaft access / LOP | [ ]  in cabin / COP | [ ]  inside / at cabinet |
|  |
| **Positioning System** | **Emergency Light / Call** |
| [ ]  ELGO Limax CANopen  | [ ]  emergency light 12V/1,2Ah | [ ]  emergency light 24V/1,2Ah |
| [ ]  rail mounted | [ ]  shaft pit / head mounted | [ ]  via UPS (no emergency light device required) 24 V DC |
| [ ]  with magnet switch set rail mounted | emergency phone unit type  |
|  | [ ]  top of the cabin | [ ]  in COP |
|  |  |
| **Car Top Inspection Box incl. Inspection Control With 3m cable** |
| size | [ ]  500x400x120 (WHD)mm | [ ]  700x200x100 (WHD)mm | [ ]  finish **IP54** |
| COP interface | [ ]  34pole (IDC **/** ADA **/** BF5) | [ ]  37pole (SUB-D) |
| variational  |  |  |
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| --- |
| **Componant Part by Kollmorgen** |
| [ ]  MPK411 **C**ontrol **H**and **T**erminal | [ ]  MPKlive incl. annual fee | [ ]  WLAN router mounted in cabinet |
| [ ]  **material EN81/20-50** reset inspection in LOP  | variational  |
| [ ]  **material EN81/20-50** emergency light at top oft the cabin  |
| [ ]  **material EN81/20-50** vis./audio signal  |
| [ ]  **material EN81/20-50** inspection unit shaftpit  | Length  **m** |
| [ ]  motorcable | Length  **m** |
| [ ]  trailing cable incl. mounting set | Length  **m** |
| [ ]  LED shaftlight | Length  **m** |
| [ ]  serviceunit shaftpit | Length  **m** |
| [ ]  installation control unit | Length  **m** |
| [ ]  emergency stop switch unit | Length  **m** |
| [ ]  connecting cable set for inverter (exclusively Ziehl-Abegg) | Length  **m** |
| [ ]  cable trunking 60x40 (WH)mm | Length  **m** |
| [ ]  cable trunking 130x60 (WH)mm | Length  **m** |
| [ ]  shaftwiring sold by meter |
| [ ]  separate power socket |
| [ ]  cable installation package machine room and cabin installation |
| [ ]  mounting kit (screw anchor, cable tie, wire end ferrule) |
| [ ]  CANopen wiring for shaftsignals | [ ]  CANopen card mounted in LOP | [ ]  CANopen card mounted in shaft |
| [ ]  CANopen connecting cable **cabinet <> first LOP** | length  **m** |
| [ ]  CANopen interconnecting cable **floor <> floor** | length  **m** |
| [ ]  limit switch set 1NC/NO | [ ]  switch ramp length 800mm | [ ]  switch ramp length 2000mm |
| [ ]  drive encoder set | [ ]  hollow shaft encoder Ø **mm** |
|  |
|  |
|  |
|  |
|  |
|  |
| **To Specify Especially for MRL Pojects** |
|  | at shaftaccess top above | at shaftaccess bottom beside | in shafthead | in shaftpit |
| **cabinet** | [ ]  | [ ]  | [ ]  | [ ]  |
| **drive** | [ ]  | [ ]  | [ ]  | [ ]  |
| **inverter** | [ ]  | [ ]  | [ ]  | [ ]  |
|  |
| **To Specify Especially for Synchronous Drives with / without Machineroom** |
| view to the drive | **NO** view to the drive | mechanical brake lifting possible | **NO** mechanical brake lifting possible |
| [ ]  | [ ]  | [ ]  for each brake  | [ ]  one brake magnet  |
|  |  | [ ]  for both combined  | [ ]  two brake magnets  |
|  |
|  |